

1 TITLE OF INVENTION: NOVEL HISTONE FUSION PROT

Patent No. 5981221
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
TITLE OF INVENTION: NOVEL HISTONE FUSION PROT
TITLE OF INVENTION: EIN
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/824,878
FILING DATE: Filed Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0255 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-845-4166
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 373 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: BRSTNOT05
CLONE: 2297753
US-08-824-878-1

Query Match 3.6%; Score 159; DB 2; Length 373;
Best Local Similarity 22.7%; Pred. No. 4.2e-06;
Matches 72; Conservative 54; Mismatches 141; Indels 50; Gaps 9;

6 VAGAAAYNEKSGRITSLSLFPKVAQIFPQWRKNT-----ECCLPYKCEGTG 54
63 LAGNAARDNKKGVTPRHILAVANDEBNOLKGVTTASGVLPNIHPELLAKKRGSKG 122
55 AL-----GENYSWOIPINHNDPKILKNNEROLCEVLONKFGCISTLVSP----- 98
123 KLEAITPPPAKAKSPQOKKPVSK-----KAGGKKGAKSKKQGEVSKAASADSNR 176
99 ---VOEG---NSKSLQVFRKMLTPRIELSVWKDILTTHAVADVANAANEDLLHGGGLAL 151
177 GEHLDPGFTVLTSTKSLFPGQKLNLIHSEIS---NLAGEVEALINPTNADIDLKDDIGN 232
152 ALVKAAGEFIEQESQFVARGVKVSAGEIATVGAGRLPCKQIITHAVGRPMWMDQCGTG 211
233 TLEKKGGEFEVAVLELRKKGPLEVAGAAVSAGHGLPAKFVHCNSP---VMGADKCEE 289
212 KQORAIIVSLNVIYKNTHTIKTVAIPALSSGIFQFPPLNICTKTIYETIRVSLQGRPMNSN 271
290 LLEKTVKNCI--ALADDKLLKSIAPSPISGSRNGFPKQTAQOLIKALS-SYFVSTWSSS 346
272 LKEIHLVSNEDPTVAAP 288
347 IKTIVFVLPDSISIGIY 363
Db

RESULT 5

US-09-353-688-1
Sequence 1, Application US/09353688
Patent No. 6136314
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
TITLE OF INVENTION: NOVEL HISTONE FUSION PROT
TITLE OF INVENTION: EIN
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/353,688
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/824,878
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0255 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-845-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 373 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: BRSTNOT05
CLONE: 2297753
US-09-353-688-1

Query Match 3.6%; Score 159; DB 3; Length 373;
Best Local Similarity 22.7%; Pred. No. 4.2e-06;
Matches 72; Conservative 54; Mismatches 141; Indels 50; Gaps 9;

6 VAGAAAYNEKSGRITSLSLFPKVAQIFPQWRKNT-----ECCLPYKCEGTG 54
63 LAGNAARDNKKGVTPRHILAVANDEBNOLKGVTTASGVLPNIHPELLAKKRGSKG 122
55 AL-----GENYSWOIPINHNDPKILKNNEROLCEVLONKFGCISTLVSP----- 98
123 KLEAITPPPAKAKSPQOKKPVSK-----KAGGKKGAKSKKQGEVSKAASADSNR 176
99 ---VOEG---NSKSLQVFRKMLTPRIELSVWKDILTTHAVADVANAANEDLLHGGGLAL 151
177 GEHLDPGFTVLTSTKSLFPGQKLNLIHSEIS---NLAGEVEALINPTNADIDLKDDIGN 232
152 ALVKAAGEFIEQESQFVARGVKVSAGEIATVGAGRLPCKQIITHAVGRPMWMDQCGTG 211
233 TLEKKGGEFEVAVLELRKKGPLEVAGAAVSAGHGLPAKFVHCNSP---VMGADKCEE 289
212 KQORAIIVSLNVIYKNTHTIKTVAIPALSSGIFQFPPLNICTKTIYETIRVSLQGRPMNSN 271
290 LLEKTVKNCI--ALADDKLLKSIAPSPISGSRNGFPKQTAQOLIKALS-SYFVSTWSSS 346
272 LKEIHLVSNEDPTVAAP 288
347 IKTIVFVLPDSISIGIY 363
Db

RESULT 6
US-09-722-139-2
Sequence 2, Application US/09722139
Patent No. 6355471
GENERAL INFORMATION:
APPLICANT: Beraud, Christophe
APPLICANT: Freedman, Richard
TITLE OF INVENTION: No. 6355471el motor proteins and methods for
TITLE OF INVENTION: their use
FILE REFERENCE: 1055
CURRENT APPLICATION NUMBER: US/09/722,139
CURRENT FILING DATE: 2000-11-24
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 1375
TYPE: PRT
ORGANISM: Human
US-09-722-139-2

Query Match 3.1%; Score 136.5; DB 4; Length 1375;
Best Local Similarity 18.7%; Pred. No. 0.0042;
Matches 154; Conservative 131; Mismatches 299; Indels 239; Gaps 38;

QY 2 DFMVAGAAAYNEKSGRTISLSLFPQVFAQIFPQWRKNTCECLPYKSETGALGENYS 61
DB DFFSYSA-----DTKSPDVVSQEMVFETLGTDVVKSFAFEGYNACVFAY-----GQTSGSKS 109
QY 62 WQIPINNDPKILKNBERQLCEVLONKF-----GCISTLSPVPOEGNSKSLQVPRKM 113
DB 110 YMMGNSGDSGLIP-----RICEGLFSRINETTRWDEASRTEVSYLEIYNERVDDLRRK 165
QY 114 LTPRIELSV-----WKDILTTHAVDAVAVNANEDLHGGGLALALVKAGFEIOES 165
DB 166 SKTFNLVRREHPKREGPVEDLSKHLVQNYGDV--BELMDAGNINRTTAAGMNDVSSRS 223
QY 166 KQFVARYGKVASGEIATVGA---GRLPCKQI--IHAVGRPWE-WDKQCT-----GK 212
DB 224 HAIFT-----IKFTQAKFDEMPCEIVSKIHVLVLAGSERADATGATGVRLKEGN 274
QY 213 LORALV-----SLINVIYKNT--HIKTVAPALSSGIFQFPLNCT--- 252
DB 275 INKSLVTLGAKKKQVFPYRDSVLTWLLKDSLGNSKTI MATISPADVNGETLSTURY 334
QY 253 -----KTIYETIRVSL--QGRPMNSLKEIHLVSN-----EDPTVAAFKAASEFI 295
DB 335 ANRAKNIINKPTINEDANVKILRELRARIALKTLAOGNOIALDSTALSMBEKLOON 394
QY 296 LGR-SELQETTPSEFNAM--VNNLTLQIYOGHIEMQTDVYVNSVNPBDITVGPVAKSI 352
DB 395 EARVQELFKEMTNKMNETONILKEQTLALRKEGI-----GVVLDSLEPHLI----- 440
QY 353 LQOAGVEMKSEFLATKAKQFORSQLVLTGKFNLFCKYIYVLMHSEF-----PKQI 405
DB 441 ----GID--DDLSTGI-----ILYHLKEGQTYVGDDASTEDDI 474
QY 406 LKHAMKECLEKIEBONI--TSISFPALGT---GNMEIKKET---AAEILFDEVLTFAK 455
DB 475 VHLGDLSEHCIFENIGCTVTLPLSGSQSVNGQVVEATHLNOGAVILLGRTMRF 534
QY 456 DHVKQLTVKQVIFPTDLEIYKAFSSEMAKRSKMLSLNNYSVPQSTREEKEN----- 508
DB 535 NHPKE-----AAKREKRSKGLSSFSLSMTDLSKRENL SAVMLY 575
QY 509 --GLE-ARSPAILMGNF-----VEEMVEAH-----AMIORI-----LSLO 541
DB 576 NPGLEPERQORELEKLESKRKLIEMEEKOKSDKAELEWQOEVTOKRETEIYVLOQR 635
QY 542 NHHIENNHILYGRKEHDLISLOQRTSSVSIITEIISPGTELEIGARADILEVMNIE 601
DB 636 KQESLKRSSFHLENKLDLLAKKEKFEERLRLE-----QOEIELCKKQOE-----E 682

QY 602 DMLCKVOEMARKKERGLMRSLGOWTI-----QOQKODQMKENIIFLCKVPPTQELLD 656
DB 683 ETLRVOEELORLEKELANNNEKAEKFOIFQELDLOQKDKDOYAKULEK-----KXLE 736
QY 657 QKQFQKCGLOVLKVEKIDNEVLMAAFORKKKMEEKLHROPV 699
DB 737 QKKE-----QVMLVAHLEBQL-----REKQENIQLLRGGEV 767

RESULT 7
US-09-721-832-2
Sequence 2, Application US/09721832
Patent No. 6399346
GENERAL INFORMATION:
APPLICANT: Beraud, Christophe
APPLICANT: Freedman, Richard
TITLE OF INVENTION: No. 6399346el motor proteins and methods for
TITLE OF INVENTION: their use
FILE REFERENCE: 1055
CURRENT APPLICATION NUMBER: US/09/721,832
CURRENT FILING DATE: 2000-11-24
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 1375
TYPE: PRT
ORGANISM: Human
US-09-721-832-2

Query Match 3.1%; Score 136.5; DB 4; Length 1375;
Best Local Similarity 18.7%; Pred. No. 0.0042;
Matches 154; Conservative 131; Mismatches 299; Indels 239; Gaps 38;

QY 2 DFMVAGAAAYNEKSGRTISLSLFPQVFAQIFPQWRKNTCECLPYKSETGALGENYS 61
DB DFFSYSA-----DTKSPDVVSQEMVFETLGTDVVKSFAFEGYNACVFAY-----GQTSGSKS 109
QY 62 WQIPINNDPKILKNBERQLCEVLONKF-----GCISTLSPVPOEGNSKSLQVPRKM 113
DB 110 YMMGNSGDSGLIP-----RICEGLFSRINETTRWDEASRTEVSYLEIYNERVDDLRRK 165
QY 114 LTPRIELSV-----WKDILTTHAVDAVAVNANEDLHGGGLALALVKAGFEIOES 165
DB 166 SKTFNLVRREHPKREGPVEDLSKHLVQNYGDV--BELMDAGNINRTTAAGMNDVSSRS 223
QY 166 KQFVARYGKVASGEIATVGA---GRLPCKQI--IHAVGRPWE-WDKQCT-----GK 212
DB 224 HAIFT-----IKFTQAKFDEMPCEIVSKIHVLVLAGSERADATGATGVRLKEGN 274
QY 213 LORALV-----SLINVIYKNT--HIKTVAPALSSGIFQFPLNCT--- 252
DB 275 INKSLVTLGAKKKQVFPYRDSVLTWLLKDSLGNSKTI MATISPADVNGETLSTURY 334
QY 253 -----KTIYETIRVSL--QGRPMNSLKEIHLVSN-----EDPTVAAFKAASEFI 295
DB 335 ANRAKNIINKPTINEDANVKILRELRARIALKTLAOGNOIALDSTALSMBEKLOON 394
QY 296 LGR-SELQETTPSEFNAM--VNNLTLQIYOGHIEMQTDVYVNSVNPBDITVGPVAKSI 352
DB 395 EARVQELFKEMTNKMNETONILKEQTLALRKEGI-----GVVLDSLEPHLI----- 440
QY 353 LQOAGVEMKSEFLATKAKQFORSQLVLTGKFNLFCKYIYVLMHSEF-----PKQI 405
DB 441 ----GID--DDLSTGI-----ILYHLKEGQTYVGDDASTEDDI 474
QY 406 LKHAMKECLEKIEBONI--TSISFPALGT---GNMEIKKET---AAEILFDEVLTFAK 455
DB 475 VHLGDLSEHCIFENIGCTVTLPLSGSQSVNGQVVEATHLNOGAVILLGRTMRF 534
QY 456 DHVKQLTVKQVIFPTDLEIYKAFSSEMAKRSKMLSLNNYSVPQSTREEKEN----- 508
DB 535 NHPKE-----AAKREKRSKGLSSFSLSMTDLSKRENL SAVMLY 575

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OY 509 --GIE--ASPAINLNGFN-----VEEMYEAH-----AMIGRI-----LSLO 541
Db 576 NPGLEFFERQOORELEKESKRKLIEBWEKQKSDKLELREMOGEVETOREKTEI VOLQIR 635
OY 542 NHIIENNHHIILGRKEHDILSOLQKTSVSIIETIISPORTELEIGARADLIEVWNIE 601
Db 636 KOESLTKRRSFHIEKKLNDLWKEKFESERLRE-----QOELQKQOE-----E 662
OY 602 DMLCKVOEBMARKERGTMRSLGQWTI-----QOQKTODEMKENIIFLKCPVPPTOELLD 656
Db 683 ETLFLVQOEBLQRLKEILNNKEAKERFOI POBLDLOKREKDOYAKLELEK-----KRLKE 736
OY 657 OKQOFKCGLOVLKVEKIDNEVLMAFORKKKKMEKELTRQPV 699
Db 737 QEKE-----QVMLVAHTEEOI-----REKEMOILLERGEV 767

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RESULT 8
US-09-721-689-2
; Sequence 2, Application US/09721689

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? TITLE OF INVENTION: No. 6440689el motor proteins and methods for
?
? FILE REFERENCE: 1055
?
? CURRENT APPLICATION NUMBER: US/09/721,689
?
? CURRENT FILING DATE: 2000-11-24
?
? NUMBER OF SEQ ID NOS: 4
?
? SOFTWARE: FastSeq for Windows Version 4.0
?
? SEQ ID NO 2
?
? LENGTH: 1375
?
? TYPE: PRT
?
? ORGANISM: Human
?
? US-09-721-689-2

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QY 406 AKHAKKELEKCEIOBNI--TSSISPALG---GNMEIKKEN---AAHILPEBULTFAK 455
Db 475 VHGJDLSESEHCIFENIGGIVTLLPILSPGQCSGVNGQIVAEATHLNOGAIVILGRTNMF 534
QY 456 DHVKQLTUVKFVIFPTDLEIYKAFSEMAKRSKMLSNVSVPOSTREREKREN----- 508
Db 535 NHPKE-----AAKLEKKKSGILSSFSLSMTDLSKSRNLSAVMLY 575
QY 509 --GLE-ARSPAININGFN-----VEENYEAH---AMIORI-----LSIQ 541
Db 576 NPGLEFEHQGBHELEKLESKRILIEMBEKQKSDAELERMQOEVATQKRETIYQLOIR 635
QY 542 NHHIIEENNHIILYLGKKEHDILSLOLQKTSVSTIEIISPGRTLEIEGARADILEVNMIE 601
Db 636 KOESLTKRSPFHEIKLKDLLAEKKEKPEEBRLRE-----QCEIELOKKRQE-----E 682
QY 602 DMLCVQOZEMARKKRGGLRSLGOWTI-----QOQKODENKEMNIIFLKCPVPPIQOELL 656
Db 683 ETPFRVQOELORLKLNNNEKAKEFOIPEOLDLOLKEKEDQYAKULELEK-----KRLBE 726
QY 657 OKQOFEKCGLOVLKVEKIDNEVLTMAFORKKKMBEKKLHROV 699
Db 737 QEKKE-----QVMQVLAHLEBOJ-----REKQEMQLLRGGEV 767

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RESULT 9
US-09-350-982C-5
; Sequence 5, Application US/09350982C

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; TITLE OF INVENTION: Tankyrase Homolog Protein(THP), Nucleic Acids, and Methods Rel
; TITLE OF INVENTION: Same
; FILE REFERENCE: PHRM-0043
; CURRENT APPLICATION NUMBER: US/09/350,982C
; CURRENT FILING DATE: 1999-07-09
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 1166
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: misc_feature
; LOCATION: (1102)..(1102)
; OTHER INFORMATION: n is any nucleic acid
; NAME/KEY: misc_feature
; LOCATION: (2650)..(2650)
; OTHER INFORMATION: n is any nucleic acid
; US-09-350-982C-5

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Db 441 ----GID--DDLSTGI-----ILYHKEGQTYVGRDASTEQDI 4/4

RESULT 10

RESULT 10

RESULT 10

US-08-973-462-8
 ; Sequence 8, Application US/08973462B
 ; Patent No. 6191270
 ; GENERAL INFORMATION:
 ; APPLICANT: DRUILHE, PIERRE
 ; APPLICANT: DAUBERSIS, PIERRE
 ; TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES
 ; FILE REFERENCE: 0660-0125-0 PCT
 ; CURRENT APPLICATION NUMBER: US/08/973,462B
 ; EARLIER FILING DATE: 1998-02-06
 ; EARLIER APPLICATION NUMBER: PCT/FR96/00894
 ; EARLIER FILING DATE: 1996-06-12
 ; EARLIER APPLICATION NUMBER: FR 95/07007
 ; EARLIER FILING DATE: 1995-06-13
 ; NUMBER OF SEQ ID NOS: 29
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 8
 ; LENGTH: 1786
 ; TYPE: PRF
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Polypeptide
 ; US-08-973-462-8

Query Match
 Best Local Similarity 18.5%; Pred. No. 0.014;
 Matches 124; Conservative 128; Mismatches 264; Indels 156; Gaps 28;

3.0%; Score 133; DB 3; Length 1786;
 81 LCEVLONKFCISTLVSPVOGNSKSLQVFRKMLTPRIELSVWKDILTTHAVDAVNNAN 140
 845 LNEIEEVENVTTILENEVETTAESVTFNSMLE-----EIQENTITNDTIEKL----- 895
 141 EDLHGGGLALVKGAGGEIOESKQFARVKGVSAGIATVAGARLCKQIHAVGR 200
 896 -EELHENVLSALENT--OSEEKKEVDIEEVE--EVATT-----LIETV--- 938
 201 MNEMDROGCTGKLORAVISILNVVIYKNTIKTVAIPALSGIFPPLNCTKIVETIR 260
 939 --EQAEEKANITTEIFENLENAVSNNV--AENIEKINETYFNVLKVEET--VEISG 994
 261 VSLQKPM-----MSNLKEIHLVSNEDPTVAARKAASEFLIGKSELGOETTPSFNMM 312
 995 ESELENEMDKAFESIFPDVVKGI---QENLLTGMFRSIFETSIIVIOSEKVDLNEVVSS 1050
 313 VVNNLTLOVQGHIEQVADVIVNSVPHDITVG---PAKSLIQQAGV-----MKSEF 364
 1051 ILDNIE-----NMKEGLLNKLENISSTEGVOETVTEHVEQVNVVDVDPANKQDF 1100
 365 LATKAKOFORSQVLVTKG-----FNL--FCKYIYHVLMSBFPKPOLIKHAMKECLE 415
 1101 LG-----ILNEAGGLKEMFNLDEVPKSESVDITVEIKDEBPQKEVEKETVSI 1149
 416 -KCIQNTISIFPALGTGNMEIKKETAAILFD---EVLTPAKOHVKQLTVKVIPT 471
 1150 IREMBENIVDV-----LEBEKEDLDKMDAVEESIEISSDSKETESIKDEKEDV 1200
 472 DIEIYKAFESSEMAKR-SKMLSLNINYSVPOSTREKENGLEARSPIINLMGFVEMMYA 530
 1201 SLAVEEVQNDMDSEVKVLELKN-----MEEELMKDAVEINDITSKILIE-ETOEILNV 1253
 531 HA-----WIORILSLONHILIE--NNHILYVGRKHDILSLOLQTSVSITELIS 578
 1254 EADLIKDEKLEKEALSSEDSKEIIDAQDITLEKVIIEBHDTITLDEV----- 1303
 579 PORTELEIGARADILIEVMNIIDMLCKVQOEMARKKERGLWMSLQOMTIOQKODEMK 638
 1304 -----VELKQVEDKIEKVSIDKDLBEDILKEVKEIKE-----LESEIL 1342
 639 ENIIFKCVPPRPGELLDQKKQPEKGLQVLKVE-----KIDNEVLMAPQKKKKM 689
 1343 EDYKELK--TETDILEEKELIEKHFEKFEAEIKLEADILKEVSSLEVEBEKEL 1399
 690 MEKHLRQPVSH 701

Db 1400 EEVHELKEVEEH 1411

RESULT 11
 US-08-801-263A-9
 ; Sequence 9, Application US/08801263A
 ; Patent No. 5811407
 ; GENERAL INFORMATION:
 ; APPLICANT: Johnston, Robert E.
 ; APPLICANT: Davis, Nancy L.
 ; APPLICANT: Simpson, Dennis A.
 ; TITLE OF INVENTION: System for the In Vivo Delivery and
 ; TITLE OF INVENTION: Expression of Heterologous Genes in the Bone Marrow
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSER: Bell Seltzer Park & Gibson, P.A.
 ; STREET: 1211 East Morehead Street
 ; CITY: Charlotte
 ; STATE: No. 5811407th Carolina
 ; COUNTRY: USA
 ; ZIP: 28234
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/801,263A
 ; FILING DATE: 19-FEB-1997
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Sibley, Kenneth D.
 ; REGISTRATION NUMBER: 31,665
 ; REFERENCE/DOCKET NUMBER: 5470-147
 ; TELEPHONE: 919-420-2200
 ; TELEFAX: 919-881-3175
 ; INFORMATION FOR SEQ ID NO: 9:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2512 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-801-263A-9

Query Match
 Best Local Similarity 23.0%; Pred. No. 0.027;
 Matches 72; Conservative 45; Mismatches 107; Indels 89; Gaps 13;

3.0%; Score 132.5; DB 2; Length 2512;
 26 FQVYAOQFPQWRKNTRECLPY-----KCSFTGALGENYSWQIPINHNDFKIKN----- 76
 1227 YDLVINGITGRYRNHFQCCEDHAATLTLRSALN-----CLNPGTLVKSQYAD 1279
 77 -NEROLCEVLONKFCISTLVSPVOGNSKSLQVFRKM-----LTPR-----IELSV- 123
 1280 RNSDEVVTLARKFPRVAAARPDQVSNTEWVLTIFROLDNSTRQFTFHHLNCAVSSVYE 1339
 124 -----KDDLTHAVDAVNNANEDILHGGGLALALVKGAGGEIOESKQF 168
 1340 GTRDVGAPASRYRTKRENIADQOEBAVNNANPLGRPEGVCRAIYK----- 1386
 169 VARYKVSAGELAVTAGARLP-C--KQIIHAVGPRMMEMDQCGTKQORAVISILNVI 225
 1387 --RWPSTFSDATETGTRAMTVCLGKVIHAVGDFRGRPEALKLLQNMVHVAADLV- 1443
 226 YKNTA-ITVVAIPALSGIF-----QEPINLCT-----KTIYETIRV 261
 1444 --NENINISVALPILSTIGIYAAGKRLVSLNCLTALDRIDADVTIYCLDKMKMERIDA 1501
 262 SLQGRPMNSNKE 274
 1502 ALQKESVTELDK 1514

RESULT 12
US-09-102-248-9
Sequence 9, Application US/09102248
Patent No. 6008035
GENERAL INFORMATION:
APPLICANT: Johnston, Robert E.
APPLICANT: Davis, Nancy L.
APPLICANT: Simpson, Dennis A.
TITLE OF INVENTION: System for the In Vivo Delivery and
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bell Seltzer Park & Gibson, P.A.
STREET: 1211 East Morehead Street
CITY: Charlotte
STATE: No. 6008035th Carolina
COUNTRY: USA
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/102,248
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/801,263
FILING DATE: 19-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5470-147
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-420-2200
TELEFAX: 919-881-3175
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 2512 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-102-248-9

Query Match 3.0%; Score 132.5; DB 3; Length 2512;
Best Local Similarity 23.0%; Pred. No. 0.027;
Matches 72; Conservative 45; Mismatches 107; Indels 89; Gaps 13;

26 FQKVFQIIPQWKNTECLPY---KCEIETGALGENYSWQIPINHDFKILKN----- 76
1227 YDLVFNIGTKYRNHHFQCEDHAAATLKTLSRSALN-----CLNPGGTLVVKSGYAD 1279
77 -NEROLCEVLQNFEGCISTLVSPVQEGNSKSLQVFRKM-----LTPR-----IELSW- 123
1280 RNSDEVVTALARKFVSAARPDVCSNTEMYLIFROLDSKRTROTTPHNLNCVSSVYE 1339
124 -----KDDLTHAVDAVVAANEDLLHGGGLALALVKGAGFEIQESKQF 168
1340 GTRDVGGAAPSYRTKRENADCOEBAVVAANPLGRPGEGVCRAIYK----- 1386
169 VARYGKVSAGEIATVAGRLP-C--KOIHAAGPRMMEWDKQCTGKLQRAIVSILNVI 225
1387 --RWPTSFDSATETGTARMTVCLGKKVHAAGPDRKPRKEBALKLQNAVHAVALDV- 1443
226 YKQTH-IKTVAIPALSSGIF-----QPLNLC-----KTIYETIRV 261
1444 --NEHIKSVAILPLSTGTIYAGKDLRLEVSLNCLTTALDRTDADVTIYCLDKWKERIDA 1501
262 SLQGRPMMSNLKE 274

Db 1502 ALQKESVTELXD 1514

RESULT 13
US-09-367-764-9
Sequence 9, Application US/09367764
Patent No. 6583121
GENERAL INFORMATION:
APPLICANT: Johnston, Robert E.
APPLICANT: Davis, Nancy L.
APPLICANT: Simpson, Dennis A.
TITLE OF INVENTION: System for the In Vivo Delivery and
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bell Seltzer Park & Gibson, P.A.
STREET: 1211 East Morehead Street
CITY: Charlotte
STATE: No. 6583121th Carolina
COUNTRY: USA
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/367,764
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/801,263
FILING DATE: 19-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5470-147
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-420-2200
TELEFAX: 919-881-3175
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 2512 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-367-764-9

Query Match 3.0%; Score 132.5; DB 4; Length 2512;
Best Local Similarity 23.0%; Pred. No. 0.027;
Matches 72; Conservative 45; Mismatches 107; Indels 89; Gaps 13;

26 FQKVFQIIPQWKNTECLPY---KCEIETGALGENYSWQIPINHDFKILKN----- 76
1227 YDLVFNIGTKYRNHHFQCEDHAAATLKTLSRSALN-----CLNPGGTLVVKSGYAD 1279
77 -NEROLCEVLQNFEGCISTLVSPVQEGNSKSLQVFRKM-----LTPR-----IELSW- 123
1280 RNSDEVVTALARKFVSAARPDVCSNTEMYLIFROLDSKRTROTTPHNLNCVSSVYE 1339
124 -----KDDLTHAVDAVVAANEDLLHGGGLALALVKGAGFEIQESKQF 168
1340 GTRDVGGAAPSYRTKRENADCOEBAVVAANPLGRPGEGVCRAIYK----- 1386
169 VARYGKVSAGEIATVAGRLP-C--KOIHAAGPRMMEWDKQCTGKLQRAIVSILNVI 225
1387 --RWPTSFDSATETGTARMTVCLGKKVHAAGPDRKPRKEBALKLQNAVHAVALDV- 1443
226 YKQTH-IKTVAIPALSSGIF-----QPLNLC-----KTIYETIRV 261
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262 SLQGRPMMSNLKE 274

Db 1502 ALQKESVTELKD 1514

RESULT 14
US-09-196-387-2
; Sequence 2, Application US/09196387
; Patent No. 6277613

GENERAL INFORMATION:

APPLICANT: de Lange, Titia

APPLICANT: Smith, Susan

TITLE OF INVENTION: A PROTEIN THAT BINDS TO TRP1 AND METHODS

TITLE OF INVENTION: OF USE THEREOF

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauber & Jackson

STREET: 411 Hackensack Avenue, 4th Floor

CITY: Hackensack

STATE: New Jersey

COUNTRY: USA

ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/196,387

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/095,225

FILING DATE: June 10, 1998

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.

REGISTRATION NUMBER: 26,742

REFERENCE/DOCKET NUMBER: 600-1-230 CIPI

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800

TELEFAX: 201-343-1684

TELEX: 133521

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1327 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: NO

US-09-196-387-2

Query Match 3.0%; Score 132; DB 3; Length 1327;

Best Local Similarity 21.0%; Pred. No. 0.01;

Matches 65; Conservative 48; Mismatches 107; Indels 90; Gaps 15;

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616 ERG-----LMSLQGTI-----QOQKTODEMKENIIFLKCPVPPTQELDQKQF 661

1090 QOQTNPYLTFHCNVQSTILLDLAPEDKEYSVEEEM-----QSTIREHREG 1135

662 EKCG-----LQVLKVEKIDNEVLMAAFORKKKMEKLRQPVSHRLFQOVPYQFCNVVC 716

1136 GNAAGTIFNRVYVIRIQKVNKKLRERFCHROKEVSEENHNHNERMLFHGSP--FINAII 1193

717 RVGFQRMVSTPCDPKRGAGIYFTTNLKNLAERAKKISAA-----DKLIYFEAEVLTG 769

1194 HKGFDERHAY-IGGMFGAGIYFAENSSKSNQYVYGIGGTCGPTHKDRSCYICHRQML-- 1250

770 FFCQ-----GHPLNIVPPLSPGAIDGHDSDVDNVS---SPETFIIFEG 810

1194 HKGFDERHAY-IGGMFGAGIYFAENSSKSNQYVYGIGGTCGPTHKDRSCYICHRQML-- 1250

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QY 811 MQAIPQYIMT 820

Db 1298 EQAYPEYLIT 1307

RESULT 15
US-09-841-835-2
; Sequence 2, Application US/09841835
; Patent No. 6506587

GENERAL INFORMATION:

APPLICANT: de Lange, Titia

APPLICANT: Smith, Susan

TITLE OF INVENTION: A PROTEIN THAT BINDS TO TRP1 AND METHODS

TITLE OF INVENTION: OF USE THEREOF

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauber & Jackson

STREET: 411 Hackensack Avenue, 4th Floor

CITY: Hackensack

STATE: New Jersey

COUNTRY: USA

ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/841,835

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/196,387

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.

REGISTRATION NUMBER: 26,742

REFERENCE/DOCKET NUMBER: 600-1-230 CIPI

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800

TELEFAX: 201-343-1684

TELEX: 133521

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1327 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: NO

US-09-841-835-2

Query Match 3.0%; Score 132; DB 4; Length 1327;

Best Local Similarity 21.0%; Pred. No. 0.01;

Matches 65; Conservative 48; Mismatches 107; Indels 90; Gaps 15;

558 EHDILSOLQKTSVSTELISPGRTLEIEGARA--DLIEVMNIEDMLCKVOEEMARKK 615

1041 EH--LRDIFETQITLDVLADMGHELYKEIGINAYGHRKLIKVERLL-----CG 1089

616 ERG-----LMSLQGTI-----QOQKTODEMKENIIFLKCPVPPTQELDQKQF 661

1090 QOQTNPYLTFHCNVQSTILLDLAPEDKEYSVEEEM-----QSTIREHREG 1135

662 EKCG-----LQVLKVEKIDNEVLMAAFORKKKMEKLRQPVSHRLFQOVPYQFCNVVC 716

1136 GNAAGTIFNRVYVIRIQKVNKKLRERFCHROKEVSEENHNHNERMLFHGSP--FINAII 1193

717 RVGFQRMVSTPCDPKRGAGIYFTTNLKNLAERAKKISAA-----DKLIYFEAEVLTG 769

1194 HKGFDERHAY-IGGMFGAGIYFAENSSKSNQYVYGIGGTCGPTHKDRSCYICHRQML-- 1250

770 FFCQ-----GHPLNIVPPLSPGAIDGHDSDVDNVS---SPETFIIFEG 810

1194 HKGFDERHAY-IGGMFGAGIYFAENSSKSNQYVYGIGGTCGPTHKDRSCYICHRQML-- 1250

770 FFCQ-----GHPLNIVPPLSPGAIDGHDSDVDNVS---SPETFIIFEG 810

1194 HKGFDERHAY-IGGMFGAGIYFAENSSKSNQYVYGIGGTCGPTHKDRSCYICHRQML-- 1250

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1194 HKGFDERHAY-IGGMFGAGIYFAENSSKSNQYVYGIGGTCGPTHKDRSCYICHRQML-- 1250

770 FFCQ-----GHPLNIVPPLSPGAIDGHDSDVDNVS---SPETFIIFEG 810

1194 HKGFDERHAY-IGGMFGAGIYFAENSSKSNQYVYGIGGTCGPTHKDRSCYICHRQML-- 1250

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Job time : 23 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw.model

Run on: October 28, 2003, 15:09:25 ; Search time 35 Seconds
(without alignments)
4066.039 Million cell updates/sec

Title: US-09-830-762-2
Perfect score: 4447
Sequence: 1 MFSWVAGAAAYNEKSGRIT.....PMRFAQHPRGFGSPVD 854

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters: 629382

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

- 1: Published Applications AA.*
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- 18: /cgn2_6/ptodata/2/pubppa/US01_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	4208.5	94.6	819	US-09-882-529-2	Sequence 2, Appl1
3	4175.5	93.9	821	US-09-882-529-3	Sequence 3, Appl1
4	912	20.5	179	US-09-882-529-7	Sequence 7, Appl1
5	841.5	18.9	169	US-09-882-529-5	Sequence 5, Appl1
6	751	16.9	145	US-09-882-529-9	Sequence 9, Appl1
7	664	14.9	129	US-09-882-529-11	Sequence 11, Appl1
8	626	14.1	121	US-09-882-529-13	Sequence 13, Appl1
9	626	14.1	121	US-09-882-529-6	Sequence 6, Appl1
10	244.5	5.5	170	US-09-882-529-8	Sequence 8, Appl1
11	215.5	4.8	132	US-09-882-529-10	Sequence 10, Appl1
12	215.5	4.8	132	US-09-882-529-16	Sequence 16, Appl1
13	190	4.3	325	US-10-205-823-244	Sequence 244, App
14	179.5	4.0	116	US-09-882-529-12	Sequence 12, Appl1

16	179.5	4.0	116	US-09-882-529-14	Sequence 14, Appl1
17	165.5	3.7	368	US-10-205-194-37	Sequence 37, Appl1
18	157.5	3.5	1181	US-10-199-937-139	Sequence 139, App
19	157	3.5	378	US-09-925-301-1208	Sequence 1208, Ap
20	156	3.5	204	US-09-731-001-5	Sequence 5, Appl1
21	156	3.5	220	US-09-731-001-2	Sequence 2, Appl1
22	156	3.5	258	US-09-731-001-4	Sequence 4, Appl1
23	156	3.5	598	US-09-731-001-3	Sequence 3, Appl1
24	151	3.4	716	US-10-106-659-4729	Sequence 4729, Ap
25	148	3.3	173	US-09-815-242-12403	Sequence 12403, A
26	146.5	3.3	1099	US-10-199-937-178	Sequence 178, App
27	143	3.2	2492	US-09-991-258-3	Sequence 3, Appl1
28	140.5	3.2	250	US-10-102-806-517	Sequence 517, App
29	138	3.1	1368	US-10-033-585-7544	Sequence 7544, Ap
30	137	3.1	756	US-10-199-937-91	Sequence 91, Appl
31	137	3.1	784	US-10-199-937-89	Sequence 89, Appl
32	137	3.1	1166	US-09-972-115A-6	Sequence 6, Appl1
33	137	3.1	1166	US-10-199-937-135	Sequence 135, App
34	137	3.1	1166	US-10-163-587A-15	Sequence 15, Appl
35	137	3.1	1169	US-10-199-937-2	Sequence 2, Appl1
36	137	3.1	1169	US-10-199-937-101	Sequence 101, App
37	137	3.1	1262	US-10-199-937-107	Sequence 107, App
38	137	3.1	1385	US-10-199-937-133	Sequence 133, App
39	136.5	3.1	1227	US-09-849-602-26	Sequence 26, Appl
40	134	3.0	633	US-10-144-649A-738	Sequence 738, App
41	134	3.0	650	US-10-144-649A-739	Sequence 739, App
42	134	3.0	802	US-09-964-899-41	Sequence 41, Appl
43	134	3.0	1074	US-09-509-196A-2	Sequence 2, Appl1
44	133	3.0	1786	US-09-742-096-3	Sequence 3, Appl1
45	132	3.0	1327	US-09-841-835-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-09-882-529-4
; Sequence 4, Application US/09882529
; Patent No. US20020132317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; CURRENT FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 60/211,565
; PRIOR FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 4
; LENGTH: 856
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-882-529-4

Query Match	98.8%	Score 4393	DB 10	Length 856
Best local Similarity	99.2%	Pred. No. 0		
Matches 849	Conservative	0	Mismatches 5	Indels 2
			Gaps 2	
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DB	61	SMQIPNHNDEFLKNRQOLCEVONKRGCTSLVSPQEGNSKSLQVFRKMLTPRIEL	120	
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DB	121	SWKQDLITTHAVDAVYVNAANEDLLHGGLALALVAKGGEIODESKOPFARIGKYSAGEI	180	

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DB 181 AVTGAARLPCKQIIHAVGPRMMEWDKQCTGKLORAIVSILNVYIKNTHIKTVAIPALS 240
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DB 361 KSEFLATRAKQFORSQVLVTKGFNLFCXYIYHVLHSEFPKQIILKHAMKECLEKCTIEQ 420
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QY 480 SEEMAKRSKMLSLNNYSVPQSTREKRENGLEARSPAIILMGPNVEEYEAHAMIORILIS 539
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DB 541 LONHHIENNHLIYGRKEHDILSOLQKTSVSITEIISPGRTLEIEGARADLIEVVNNI 600
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RESULT 2
US-09-882-529-2
Sequence 2, Application US/09882529
Patent No. US20020132317A1
GENERAL INFORMATION:
APPLICANT: Peyman, John A
APPLICANT: da Silva, Antonio
APPLICANT: Hockman, Paula
TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
FILE REFERENCE: 15966-771
CURRENT APPLICATION NUMBER: US/09/882,529
PRIOR FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: 60/211,565
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2
LENGTH: 819
TYPE: PRT
ORGANISM: Homo sapiens
US-09-882-529-2

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Query Match          94.6%; Score 4208.5; DB 10; Length 819;
Best Local Similarity 95.4%; Pred. No. 0;
Matches 815; Conservative 3; Mismatches 1; Indels 35; Gaps 1;
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DB 26 SWQIPINNDPKILKNRROLCVYLQNKFGCISTLYSPVQGNKSLQVFRKMLTPREL 85
QY 121 SWMKDGLTHAVDAVNAANEDLHGGALALAVAGFEIQESBKQFVARYGKSAGEI 180
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DB 266 LGOETTPSFNMAVNNLTLOIVQGHIEWQADVIYNSVNPBDITVGPVAKSILQOAGVEM 325
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DB 386 NITISIFPALGTGNNIEIKETAELFDEVLTFFAKDHQDLTVKFIPTDLEIYKAFS 445
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DB 446 SEEMAKRSKMLSLNNYSVPQSTREKRENGLEARSPAIILMGPNVEEYEAHAMIORILIS 505
QY 541 QNHIIENNHLIYGRKEHDILSOLQKTSVSITEIISPGRTLEIEGARADLIEVVNNI 600
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QY 601 EDMCKVOEEMARKKERGLMRSLGOWTIOOQKTODEMKENIIFLKCPVPPTQELLDQKKQ 660
DB 566 EDMCKVOEEMARKKERGLMRSLGOWTIOOQKTODEMKENIIFLKCPVPPTQELLDQKKQ 625
QY 661 FEKCGLOVLKYEKIDNEVILMAAFORKKKMMBEKLRQVSHRLFOQVYQFCNVVCRVGF 720
DB 626 FEKCGLOVLKYEKIDNEVILMAAFORKKKMMBEKLRQVSHRLFOQVYQFCNVVCRVGF 685
QY 721 QRMYSTPCDPKYAGIYFTKULKNLAERAKKISADKLIYFEAEVLTGFCQGHPLNI 780
DB 686 QRMYSTPCDPKYAGIYFTKULKNLAERAKKISADKLIYFEAEVLTGFCQGHPLNI 745
QY 781 PPLSPGALDGHDSVVDNVSSPETFFVIFSGMOALPOYLMTCTQOEYVOSODYSSGMPMP 840
DB 746 PPLSPGALDGHDSVVDNVSSPETFFVIFSGMOALPOYLMTCTQOEYVOSODYSSGMPMP 805
QY 841 QHPWRGFGASGSPVD 854
DB 806 QHPWRGFGASGSPVD 819

```

RESULT 3
US-09-882-529-3
Sequence 3, Application US/09882529
Patent No. US20020132317A1
GENERAL INFORMATION:
APPLICANT: Peyman, John A
APPLICANT: da Silva, Antonio
APPLICANT: Hockman, Paula

```

; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING SAME
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; CURRENT FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 60/211,565
; PRIOR FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-882-529-3

```

Query Match 93.9%; Score 4175.5; DB 10; Length 821;

Best Local Similarity 95.1%; Pred. No. 0; Matches 814; Conservative 0; Mismatches 5; Indels 37; Gaps 3;

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QY 1 MDPSWAGAAAYNEKSGRITSLSLFLQKVFQIFPQWRKGNTEBCLPYKCESETGALGENY 60
DB 1 MDPSWAGAAAYNEK-----SETGALGENY 25
QY 61 SMOIPINNDPKILKNNEQOLCEVLONKFGCISTIVSPVQEGNSKSLQYFRKMLTPRIEL 120
DB 26 SMOIPINNDPKILKNNEQOLCEVLONKFGCISTIVSPVQEGNSKSLQYFRKMLTPRIEL 85
QY 121 SWKQDLTTHAVDAVAVNANEDLHGGGLALALVKAAGFEIQESQOFARVYKVASGEI 180
DB 86 SWKQDLTTHAVDAVAVNANEDLHGGGLALALVKAAGFEIQESQOFARVYKVASGEI 145
QY 181 AVTGAGRLPCKOIIHAVGPRMWMEMDKQCTGKLQRAIVSILNVYIKNTHIKTVAIPALS 240
DB 146 AVTGAGRLPCKOIIHAVGPRMWMEMDKQCTGKLQRAIVSILNVYIKNTHIKTVAIPALS 205
QY 241 SGIFQPLNLCTKTIVETIRVSLQGRPMNSLKEIHLVSNEDPTVAAPFAASEFILGKSE 300
DB 206 SGIFQPLNLCTKTIVETIRVSLQGRPMNSLKEIHLVSNEDPTVAAPFAASEFILGKSE 265
QY 301 LQOETTPSFNANVNNLTQIYOGHILEMOTADIVNVSVPNDITVGPVAKSIIOQAGVEM 360
DB 266 LQOETTPSFNANVNNLTQIYOGHILEMOTADIVNVSVPNDITVGPVAKSIIOQAGVEM 325
QY 361 KSEFLATKAKOFORSOLVLTGKGFNFCKYIYVHLVHSEPPKQILKHAMKECLECICIO 420
DB 326 KSEFLATKAKOFORSOLVLTGKGFNFCKYIYVHLVHSEPPKQILKHAMKECLECICIO 385
QY 421 NITSISFPALGTGNMEIKKETAAEILFDEVLTFF-AKDHYGQULTVKEVIFPTDLEIYKAF 479
DB 386 NITSISFPALGTGNMEIKKETAAEILFDEVLTFF-AKDHYGQULTVKEVIFPTDLEIYKAF 445
QY 480 SSEMAKRSKMLSLNNYSVPQSTREEKRENGLEAKRSALINMGVNEEYETAHMITRIIS 539
DB 446 SSEMAKRSKMLSLNNYSVPQSTREEKRENGLEAKRSALINMGVNEEYETAHMITRIIS 505
QY 540 LQNHIIENNHIILYGRKEHDILSOLQKTSVSTIILISGRTELEIEGARADLLEIVANN 599
DB 506 LQNHIIENNHIILYGRKEHDILSOLQKTSVSTIILISGRTELEIEGARADLLEIVANN 565
QY 600 IEDMLCKVQEMARKKERGLMWSLQGTWIOQKTODEMKNENIIFLKCPVPPTOELLDOKK 659
DB 566 IEDMLCKVQEMARKKERGLMWSLQGTWIOQKTODEMKNENIIFLKCPVPPTOELLDOKK 625
QY 660 QFEKGLQVLKYEKIDNEVLMAAFQKKKKMEKHLROVSHRLFOQVVPYQFQNVVCRVG 719
DB 626 QFEKGLQVLKYEKIDNEVLMAAFQKKKKMEKHLROVSHRLFOQVVPYQFQNVVCRVG 685
QY 720 FORMYSTPCDPPKAGIYFTKULKNLAERAKKISADAKLIYVEEAVLVLGFFQGGHPLNI 779
DB 686 FORMYSTPCDPPKAGIYFTKULKNLAERAKKISADAKLIYVEEAVLVLGFFQGGHPLNI 745
QY 780 VPPPLSPGALIDGDSVVDNVSSPEET-VIFSGMOAIPQYLMWTCQETQYVOSODVSSGPMRP 838

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DB 746 VPPPLSPGALIDGDSVVDNVSSPEETVIFSGMOAIPQYLMWTCQETQYVOSODVSSGPMRP 805
QY 839 FAQHPWRGFSAGSPVD 854
DB 806 FAQHPWRGFSAGSPVD 821

```

RESULT 4

US-09-882-529-7

; Sequence 7; Application US/09882529

; Patent No. US20020132317A1

; GENERAL INFORMATION:

; APPLICANT: Peyman, John A

; APPLICANT: da Silva, Antonio

; APPLICANT: Hockman, Paula

; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC

; FILE REFERENCE: 15966-771

; CURRENT APPLICATION NUMBER: US/09/882,529

; CURRENT FILING DATE: 2001-09-12

; PRIOR APPLICATION NUMBER: 60/211,565

; PRIOR FILING DATE: 2000-06-15

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: Patentin Ver. 2.1

; SEQ ID NO 7

; LENGTH: 179

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-882-529-7

Query Match 20.5%; Score 912; DB 10; Length 179;

Best Local Similarity 99.4%; Pred. No. 3; Matches 178; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 114 LTPRIELSVKXDLTTHAVDAVAVNANEDLHGGGLALALVKAAGFEIQESKQFARYG 173
DB 1 LTPRIELSVKXDLTTHAVDAVAVNANEDLHGGGLALALVKAAGFEIQESKQFARYG 60
QY 174 KVSAGEIATGAGRLPCKOIIHAVGPRMWMEMDKQCTGKLQRAIVSILNVYIKNTHIKT 233
DB 61 KVSAGEIATGAGRLPCKOIIHAVGPRMWMEMDKQCTGKLQRAIVSILNVYIKNTHIKT 120
QY 234 VAIPALSSGIFQPLNLCTKTIVETIRVSLQGRPMNSLKEIHLVSNEDPTVAAPFAAS 292
DB 121 VAIPALSSGIFQPLNLCTKTIVETIRVSLQGRPMNSLKEIHLVSNEDPTVAAPFAAS 179

```

RESULT 5

US-09-882-529-5

; Sequence 5; Application US/09882529

; Patent No. US20020132317A1

; GENERAL INFORMATION:

; APPLICANT: Peyman, John A

; APPLICANT: da Silva, Antonio

; APPLICANT: Hockman, Paula

; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC

; FILE REFERENCE: 15966-771

; CURRENT APPLICATION NUMBER: US/09/882,529

; CURRENT FILING DATE: 2001-09-12

; PRIOR APPLICATION NUMBER: 60/211,565

; PRIOR FILING DATE: 2000-06-15

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: Patentin Ver. 2.1

; SEQ ID NO 5

; LENGTH: 169

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-882-529-5

Query Match 18.9%; Score 841.5; DB 10; Length 169;

Best Local Similarity 97.6%; Pred. No. 8; Matches 165; Conservative 1; Mismatches 2; Indels 1; Gaps 1;


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/ CURRENT FILING DATE: 2001-09-12
/ PRIOR APPLICATION NUMBER: 60/211,565
/ PRIOR FILING DATE: 2000-06-15
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: Patentln Ver. 2.1
/ SEQ ID NO 13
/ LENGTH: 121
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-882-529-13

Query Match
Best Local Similarity 14.1%; Score 626; DB 10; Length 121;
Best Local Similarity 100.0%; Pred. No. 2,8e-49;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 VNAANEDLLHGGGLALALVYKAGGFEIOESKOFVARYKVSAGEIYVGTAGRLPCQIIT 195
DB 1 VNAANEDLLHGGGLALALVYKAGGFEIOESKOFVARYKVSAGEIYVGTAGRLPCQIIT 60

QY 196 AVGPRMWMKQCTGKLGRAIVSILNVYIKNTHTKTAIPALSSGIFQFPLNLTCTKT 255
DB 61 AVGPRMWMKQCTGKLGRAIVSILNVYIKNTHTKTAIPALSSGIFQFPLNLTCTKT 120

QY 256 V 256
DB 121 V 121

RESULT 10
US-09-882-529-6
/ Sequence 6, Application US/09882529
/ Patent No. US20020132317A1
/ GENERAL INFORMATION:
/ APPLICANT: Peyman, John A
/ APPLICANT: da Silva, Antonio
/ TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
/ FILE REFERENCE: 15966-771
/ CURRENT APPLICATION NUMBER: US/09/882,529
/ CURRENT FILING DATE: 2001-09-12
/ PRIOR APPLICATION NUMBER: 60/211,565
/ PRIOR FILING DATE: 2000-06-15
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: Patentln Ver. 2.1
/ SEQ ID NO 6
/ LENGTH: 170
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-882-529-6

Query Match
Best Local Similarity 5.5%; Score 244.5; DB 10; Length 170;
Best Local Similarity 36.4%; Pred. No. 4.6e-14;
Matches 64; Conservative 31; Mismatches 70; Indels 11; Gaps 4;

QY 115 TPRIELSVWKDILTTHAVAVVNAANEDLLHGGGLALALVYKAGGFEIOESKOFVARYG 173
DB 2 TSGMKIKVVGKIDITKLPADAIVNAANSDLTWGGVAGAIARAAGEPELEEE---LKGG 57

QY 174 KVSAGEIAYTGAGRLPCQIITHAAGPRMWMKQCTGKLGRAIVSILNVYIKNTHTKT 233
DB 58 GVTGSAVVTGGNLPAAKYIHAVGPRMWMKQCTGKLGRAIVSILNVYIKNTHTKT 115

QY 234 VALPALSSGIFQFPLNLTCTKTIVETIRVSLQCKPMMSNLKEIHLVSNEDPTVAAPK 289
DB 116 VAFPAISTGIYGFPPKDRARITILEAIRREFLTSHA---VKEVVLVCLDEEMREAYE 167

RESULT 11
US-09-882-529-8
/ Sequence 8, Application US/09882529
/ Patent No. US20020132317A1
/ GENERAL INFORMATION:
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/ APPLICANT: Peyman, John A
/ APPLICANT: da Silva, Antonio
/ APPLICANT: Hockman, Paula
/ TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
/ FILE REFERENCE: 15966-771
/ CURRENT APPLICATION NUMBER: US/09/882,529
/ CURRENT FILING DATE: 2001-09-12
/ PRIOR APPLICATION NUMBER: 60/211,565
/ PRIOR FILING DATE: 2000-06-15
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: Patentln Ver. 2.1
/ SEQ ID NO 8
/ LENGTH: 170
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-882-529-8

Query Match
Best Local Similarity 5.5%; Score 244.5; DB 10; Length 170;
Best Local Similarity 36.4%; Pred. No. 4.6e-14;
Matches 64; Conservative 31; Mismatches 70; Indels 11; Gaps 4;

QY 115 TPRIELSVWKDILTTHAVAVVNAANEDLLHGGGLALALVYKAGGFEIOESKOFVARYG 173
DB 2 TSGMKIKVVGKIDITKLPADAIVNAANSDLTWGGVAGAIARAAGEPELEEE---LKGG 57

QY 174 KVSAGEIAYTGAGRLPCQIITHAAGPRMWMKQCTGKLGRAIVSILNVYIKNTHTKT 233
DB 58 GVTGSAVVTGGNLPAAKYIHAVGPRMWMKQCTGKLGRAIVSILNVYIKNTHTKT 115

QY 234 VALPALSSGIFQFPLNLTCTKTIVETIRVSLQCKPMMSNLKEIHLVSNEDPTVAAPK 289
DB 116 VAFPAISTGIYGFPPKDRARITILEAIRREFLTSHA---VKEVVLVCLDEEMREAYE 167

RESULT 12
US-09-882-529-10
/ Sequence 10, Application US/09882529
/ Patent No. US20020132317A1
/ GENERAL INFORMATION:
/ APPLICANT: Peyman, John A
/ APPLICANT: da Silva, Antonio
/ APPLICANT: Hockman, Paula
/ TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
/ FILE REFERENCE: 15966-771
/ CURRENT APPLICATION NUMBER: US/09/882,529
/ CURRENT FILING DATE: 2001-09-12
/ PRIOR APPLICATION NUMBER: 60/211,565
/ PRIOR FILING DATE: 2000-06-15
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: Patentln Ver. 2.1
/ SEQ ID NO 10
/ LENGTH: 132
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-882-529-10

Query Match
Best Local Similarity 4.8%; Score 215.5; DB 10; Length 132;
Best Local Similarity 41.4%; Pred. No. 1.4e-11;
Matches 53; Conservative 18; Mismatches 52; Indels 5; Gaps 3;

QY 120 LSVWKDILTTHAVAVVNAANEDLLHGGGLALALVYKAGGFEIOESKOFVARYKVSAGE 179
DB 2 LKVVKGKIDITKLPADAIVNAANSDLTWGGVAGAIARAAGEPELEEE---LKGG 57

QY 180 IAVTGAGRLPCQIITHAAGPRMWMKQCTGKLGRAIVSILNVYIKNTHTKTAIPAL 239
DB 60 AVVTGGNLPAAKYIHAVGPRMWMKQCTGKLGRAIVSILNVYIKNTHTKTAIPAL 116

QY 240 SSGIFQF 247
DB 117 GTGIYGV 124
```

```

RESULT 13
US-09-882-529-16
; Sequence 16, Application US/09882529
; Patent No. US2002013317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; CURRENT FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 60/211,565
; PRIOR FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 16
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-882-529-16

Query Match
Best Local Similarity 4.8%; Score 215.5; DB 10; Length 132;
Matches 53; Conservative 18; Mismatches 52; Indels 5; Gaps 3;

QY 120 LSVKDDLTTHAVDAVNVANANEDLLHGGGLALALVKAGFEIOESKQFVARYGKVSAGE 179
Db 2 LKVVKCDIRKPRADAVNNAANDGAGGVAGAIARAAWE--ESKEFERKLAGECPVGT 59

QY 180 IAVTAGRLPCQOIHAHVGRPMWMDKQCTGKLORAIVSILNVYIKTHIKTVAIPA 239
Db 60 AVATGEGNIPAKYVIHAGVPEASGYSKEGYE-LLENAYRACLRIM--ELGISVAIPLI 116

QY 240 SSGIFQFP 247
Db 117 GTGIYGV 124

RESULT 14
US-10-205-823-244
; Sequence 244, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Schlesel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endesge, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gordatcheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Monsey, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumel
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158

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; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 244
; LENGTH: 325
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-205-823-244

Query Match
Best Local Similarity 4.3%; Score 190; DB 15; Length 325;
Matches 44; Conservative 34; Mismatches 62; Indels 6; Gaps 2;

QY 119 ELVWKDDLTTHAVDAVNVANANEDLLHGGGLALALVKAGFEIOESKQFVARYGKVSAG 178
Db 153 KISLRSDITKLEVDVAVNANSSLLGGGVDCIHRAGPLUIDECTLOS---CKTG 208

QY 179 EIAVTAGRLPCQOIHAHVGRPMWMDKQCTGKLORAIVSILNVYIKTHIKTVAIPA 238
Db 209 KAKITGYRLPAKYVIHGVPIAVGEPASQAELRSCYLSLDLL--EHLRSVAFPC 266

QY 239 LSSGIFQFPPLNCTKIVETIRVSIQ 264
Db 267 ISTGVFGYPCBAAEIVLATLRWLE 292

RESULT 15
US-09-882-529-12
; Sequence 12, Application US/09882529
; Patent No. US2002013317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; CURRENT FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 60/211,565
; PRIOR FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 12
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-882-529-12

Query Match
Best Local Similarity 4.0%; Score 179.5; DB 10; Length 116;
Matches 45; Conservative 23; Mismatches 48; Indels 5; Gaps 2;

QY 136 VNAANEDLLHGGGLALALVKAGFEIOESKQFVARYGKVSAGEIAVTAGRLPCQOIH 195
Db 1 VNAANSRLRHGGGVAGAIARAAGKEAWPEA---FKKAPKCVGEVILTTGGGLPAKYVIH 57

QY 196 AVGRPMWMDKQCTGKLORAIVSILNVYIKTHIKTVAIPA SSGIFQFPPLNCTKTI 255
Db 58 AVGPWFSGKEGDELELLEKAYRALR--LADENGISVAFPLSTGIVGPKDRAQSL 115

QY 256 V 256
Db 116 L 116

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Search completed: October 28, 2003, 15:10:15
Job time : 36 secs


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; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 214
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-389-681-24

Query Match
Best Local Similarity 7.4%; Score 190; DB 4; Length 214;
Matches 193; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2365 ATAGATGTCATGACAGTGTGTTGACATGCTCCAGCCCTGAAACCTTTGTTATTTT 2424
DB 214 AAAGATGTCATGACAGTGTGTTGACATGCTCCAGCCCTGAAACCTTTGTTATTTT 155
QY 2425 AGTGCATGACAGCTATACCTAGTATTGTGACATGACCCAGGAATATGTACAGTCA 2484
DB 154 AGTGCATGACAGCTATACCTAGTATTGTGACATGACCCAGGAATATGTACAGTCA 95
QY 2485 CAAGATTACTATCAGACCAATGAGACCCCTTTGACAGACATCCTTTGAGGGGATTTCGA 2544
DB 94 CAAGATTACTATCAGACCAATGAGACCCCTTTGACAGACATCCTTTGAGGGGATTTCGA 35
QY 2545 AGTGCACGCCCTGTGAT 2562
DB 34 AGTGCACGCCCTGTGAT 17

RESULT 3
US-09-620-405B-24/c
; Sequence 24, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugui
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 214
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-620-405B-24

Query Match
Best Local Similarity 7.4%; Score 190; DB 4; Length 214;
Matches 193; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2365 ATAGATGTCATGACAGTGTGTTGACATGCTCCAGCCCTGAAACCTTTGTTATTTT 2424
DB 214 AAAGATGTCATGACAGTGTGTTGACATGCTCCAGCCCTGAAACCTTTGTTATTTT 155
QY 2425 AGTGCATGACAGCTATACCTAGTATTGTGACATGACCCAGGAATATGTACAGTCA 2484
DB 154 AGTGCATGACAGCTATACCTAGTATTGTGACATGACCCAGGAATATGTACAGTCA 95
QY 2485 CAAGATTACTATCAGACCAATGAGACCCCTTTGACAGACATCCTTTGAGGGGATTTCGA 2544
DB 94 CAAGATTACTATCAGACCAATGAGACCCCTTTGACAGACATCCTTTGAGGGGATTTCGA 35
QY 2545 AGTGCACGCCCTGTGAT 2562
DB 34 AGTGCACGCCCTGTGAT 17
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DB 94 CAAGATTACTATCAGACCAATGAGACCCCTTTGACAGACATCCTTTGAGGGGATTTCGA 35
QY 2545 AGTGCACGCCCTGTGAT 2562
DB 34 AGTGCACGCCCTGTGAT 17

RESULT 4
US-09-339-338-24/c
; Sequence 24, Application US/09339338A
; Patent No. 6573368
; GENERAL INFORMATION:
; APPLICANT: Yugui, Jiang
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 214
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-339-338-24

Query Match
Best Local Similarity 7.4%; Score 190; DB 4; Length 214;
Matches 193; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2365 ATAGATGTCATGACAGTGTGTTGACATGCTCCAGCCCTGAAACCTTTGTTATTTT 2424
DB 214 AAAGATGTCATGACAGTGTGTTGACATGCTCCAGCCCTGAAACCTTTGTTATTTT 155
QY 2425 AGTGCATGACAGCTATACCTAGTATTGTGACATGACCCAGGAATATGTACAGTCA 2484
DB 154 AGTGCATGACAGCTATACCTAGTATTGTGACATGACCCAGGAATATGTACAGTCA 95
QY 2485 CAAGATTACTATCAGACCAATGAGACCCCTTTGACAGACATCCTTTGAGGGGATTTCGA 2544
DB 94 CAAGATTACTATCAGACCAATGAGACCCCTTTGACAGACATCCTTTGAGGGGATTTCGA 35
QY 2545 AGTGCACGCCCTGTGAT 2562
DB 34 AGTGCACGCCCTGTGAT 17

RESULT 5
US-09-433-826B-24/c
; Sequence 24, Application US/09433826B
; Patent No. 6579973
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugui
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C4
; CURRENT APPLICATION NUMBER: US/09/433,826B
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 474
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 214
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-433-826B-24
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Db 1091 RRRRRRRRRRRRRRRRRRRRRRATCGCAAGCTCCCTCGACCTGCGACCGCAAGCTCGGA 1032

QY 2137 AAT 2139

Db 1031 ATT 1029

RESULT 8

US-09-189-760-5

; Sequence 5, Application US/09189760

; Patent No. 6031078

; GENERAL INFORMATION:

; APPLICANT: Khodadoust, Mehran

; TITLE OF INVENTION: NOVEL MTBX PROTEIN AND NUCLEIC ACID MOLECULES AND USES

; TITLE OF INVENTION: THEREFOR

; FILE REFERENCE: MNI-046CP2

; CURRENT APPLICATION NUMBER: US/09/189,760

; EARLIER APPLICATION NUMBER: 09/163,116

; EARLIER FILING DATE: 1998-09-29

; EARLIER APPLICATION NUMBER: 60/089,467

; EARLIER FILING DATE: 1998-06-16

; EARLIER APPLICATION NUMBER: (PENDING)

; EARLIER FILING DATE: 1998-11-09

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 5

; LENGTH: 1529

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (3)..(749)

; US-09-189-760-5

Query Match 1.7%; Score 44; DB 3; Length 1529;

Best Local Similarity 48.3%; Pred. No. 0.017;

Matches 113; Conservative 3; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTTGTGGATGAAGTTTAAACATTTGCCAAAGACCAGTAAACACAGTTAACTGTAA 1393

Db 873 TTTTGTGAATTTCTCTAAAGAGGTGCCAAAGCTTTGATTTGCTGACGTAAGTAA 932

QY 1394 AATTGTGATCTTCCCAACAGATTGAGATATATAGGCTTTCAGTTGTGAATGGCA 1453

Db 933 CAACCTGACATTTTMAAAATTAAGATTAAAGAGCTTTAAAGATTAAATTGCA 992

QY 1454 AGAGTCCAGATGCTGAGTTGAACATTAACAGTGTCCCGCAGTCAACAGAGAGAGA 1513

Db 993 AGGATCCAGAGTTCTGTATTTATCTTATTTGGGAGACACTAACMATTCAAGAGCAG 1052

QY 1514 AAAGAGAAATGGGCTTGAAGCTAGATCTCTGCCATCAATCTGATGATTCGA 1567

Db 1053 CTGTGAACATTTGGTCCCAAGTGCATGATGAGTTAAACCTTTGATTCTCA 1106

RESULT 9

US-09-188-811-5

; Sequence 5, Application US/09188811

; Patent No. 6037148

; GENERAL INFORMATION:

; APPLICANT: Khodadoust, Mehran

; TITLE OF INVENTION: NOVEL MTBX PROTEIN AND NUCLEIC ACID MOLECULES AND USES

; TITLE OF INVENTION: THEREFOR

; FILE REFERENCE: MNI-046CP

; CURRENT APPLICATION NUMBER: US/09/188,811

; EARLIER APPLICATION NUMBER: 09/163,116

; EARLIER FILING DATE: 1998-11-09

; EARLIER APPLICATION NUMBER: 60/089,467

; EARLIER FILING DATE: 1998-09-29

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 5

; LENGTH: 1529

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (3)..(749)

US-09-188-811-5

Query Match 1.7%; Score 44; DB 3; Length 1529;

Best Local Similarity 48.3%; Pred. No. 0.017;

Matches 113; Conservative 3; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTTGTGGATGAAGTTTAAACATTTGCCAAAGACCAGTAAACACAGTTAACTGTAA 1393

Db 873 TTTTGTGAATTTCTCTAAAGAGGTGCCAAAGCTTTGATTTGCTGACGTAAGTAA 932

QY 1394 AATTGTGATCTTCCCAACAGATTGAGATATATAGGCTTTCAGTTGTGAATGGCA 1453

Db 933 CAACCTGACATTTTMAAAATTAAGATTAAAGAGCTTTAAAGATTAAATTGCA 992

QY 1454 AGAGTCCAGATGCTGAGTTGAACATTAACAGTGTCCCGCAGTCAACAGAGAGAGA 1513

Db 993 AGGATCCAGAGTTCTGTATTTATCTTATTTGGGAGACACTAACMATTCAAGAGCAG 1052

QY 1514 AAAGAGAAATGGGCTTGAAGCTAGATCTCTGCCATCAATCTGATGATTCGA 1567

Db 1053 CTGTGAACATTTGGTCCCAAGTGCATGATGAGTTAAACCTTTGATTCTCA 1106

RESULT 10

US-09-514-422-5

; Sequence 5, Application US/09514422

; Patent No. 6291193

; GENERAL INFORMATION:

; APPLICANT: Khodadoust, Mehran

; TITLE OF INVENTION: NOVEL MTBX PROTEIN AND NUCLEIC ACID MOLECULES AND USES

; TITLE OF INVENTION: THEREFOR

; FILE REFERENCE: MNI-046CP2

; CURRENT APPLICATION NUMBER: US/09/514,422

; EARLIER APPLICATION NUMBER: 2000-02-28

; EARLIER FILING DATE: 1998-11-10

; EARLIER APPLICATION NUMBER: 09/163,116

; EARLIER FILING DATE: 1998-09-29

; EARLIER APPLICATION NUMBER: 60/089,467

; EARLIER FILING DATE: 1998-06-16

; EARLIER APPLICATION NUMBER: (PENDING)

; EARLIER FILING DATE: 1998-11-09

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 5

; LENGTH: 1529

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (3)..(749)

US-09-514-422-5

Query Match 1.7%; Score 44; DB 3; Length 1529;

Best Local Similarity 48.3%; Pred. No. 0.017;

Matches 113; Conservative 3; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTTGTGGATGAAGTTTAAACATTTGCCAAAGACCAGTAAACACAGTTAACTGTAA 1393

Db 873 TTTTGTGAATTTCTCTAAAGAGGTGCCAAAGCTTTTGAATTTGCTGACGTAAGTAA 932

QY 1394 AATTGTGATCTTCCCAACAGATTGAGATATATAGGCTTTCAGTTGTGAATGGCA 1453

Db 933 CAACCTGACATTTTMAAAATTAAGATTAAAGAGCTTTTAAAGATTAAATTGCA 992

QY 1454 AGAGTCCAGATGCTGAGTTGAACATTAACAGTGTCCCGCAGTCAACAGAGAGAGA 1513

Db 993 AGGATCCAGAGTTCTGTATTTATCTTATTTGGGAGACACTAACMATTCAAGAGCAG 1052

QY 1514 AAGAGAAATGGCTTGAAGCTAGATCTCTGCCATCAATCTGATGGATTCA 1567
Db 1053 CTGTGAACATTGGTGGCCAGTGTCTATCAATGATGATTAACCTTATTCTCA 1106

RESULT 11

US-09-189-760-1
Sequence 1, Application US/09189760
Patent No. 6031078
GENERAL INFORMATION:

APPLICANT: Khodadoust, Mehran
TITLE OF INVENTION: NOVEL MTBX PROTEIN AND NUCLEIC ACID MOLECULES AND USES
FILE REFERENCE: NMI-046CP2
CURRENT APPLICATION NUMBER: US/09/189,760

EARLIER FILING DATE: 1998-11-10
EARLIER APPLICATION NUMBER: 09/163,116
EARLIER FILING DATE: 1998-09-29
EARLIER APPLICATION NUMBER: 60/089,467
EARLIER FILING DATE: 1998-06-16
EARLIER APPLICATION NUMBER: (PENDING)
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1
LENGTH: 2494
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (164)..(1714)
US-09-189-760-1

Query Match 1.7%; Score 43.2; DB 3; Length 2494;
Best Local Similarity 47.4%; Pred. No. 0.037;
Matches 111; Conservative 5; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTTGTGATGAGTTTAACTTTCAGCAAGCCTGTAAGCAACCACTTAAGCTTAA 1393
Db 1838 KTTGTGCAATTTCTTAAAGAGTGCAGCAAGCTTTTATGCTGCAGTAACTGAAA 1897
QY 1394 AATTGTGATCTTCCCAACAGATTTGGAGATATATAAGCTTCACTTGAATGGCAA 1453
Db 1898 CAACCTAGACATTTTMAAAATTAATGATTAAGCAAGCTTTAAGATTTTAAATTCGA 1957
QY 1454 AGAGTCCAAAGTCTGAGTTTGAACAATTAAGTGTCCCAAGTCAACCAAGAGAGAGA 1513
Db 1958 AGGATCCAAAGTCTGATTTATTTATTTGAGGAGACACTAACMTTCAAGAAGCAGG 2017
QY 1514 AAGAGAAATGGCTTGAAGCTAGATCTCTGCCATCAATCTGATGGATTCA 1567
Db 2018 CTGTGAACATTGGTGGCCAGTGTCTATCAATGATGATTAACCTTATTCTCA 2071

RESULT 12

US-09-514-422-1
Sequence 1, Application US/09514422
Patent No. 6291193
GENERAL INFORMATION:

APPLICANT: Khodadoust, Mehran
TITLE OF INVENTION: NOVEL MTBX PROTEIN AND NUCLEIC ACID MOLECULES AND USES
FILE REFERENCE: NMI-046CP2
CURRENT APPLICATION NUMBER: US/09/514,422
CURRENT FILING DATE: 2000-02-28
PRIOR APPLICATION NUMBER: US/09/189,760
PRIOR FILING DATE: 1998-11-10
PRIOR APPLICATION NUMBER: 09/163,116
PRIOR FILING DATE: 1998-09-29
PRIOR APPLICATION NUMBER: 60/089,467
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: (PENDING)

PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 2494
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (164)..(1714)
US-09-514-422-1

Query Match 1.7%; Score 43.2; DB 3; Length 2494;
Best Local Similarity 47.4%; Pred. No. 0.037;
Matches 111; Conservative 5; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTTGTGATGAGTTTAACTTTCAGCAAGCCTGTAAGCAACCACTTAAGCTTAA 1393
Db 1838 KTTGTGCAATTTCTTAAAGAGTGCAGCAAGCTTTTATGCTGCAGTAACTGAAA 1897
QY 1394 AATTGTGATCTTCCCAACAGATTTGGAGATATATAAGCTTCACTTGAATGGCAA 1453
Db 1898 CAACCTAGACATTTTMAAAATTAATGATTAAGCAAGCTTTAAGATTTTAAATTCGA 1957
QY 1454 AGAGTCCAAAGTCTGAGTTTGAACAATTAAGTGTCCCAAGTCAACCAAGAGAGAGA 1513
Db 1958 AGGATCCAAAGTCTGATTTATTTATTTGAGGAGACACTAACMTTCAAGAAGCAGG 2017
QY 1514 AAGAGAAATGGCTTGAAGCTAGATCTCTGCCATCAATCTGATGGATTCA 1567
Db 2018 CTGTGAACATTGGTGGCCAGTGTCTATCAATGATGATTAACCTTATTCTCA 2071

RESULT 13

US-09-620-312D-544
Sequence 544, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Aundul, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aildong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yundong
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radote T.
TITLE OF INVENTION: No. 6569662el Nucleic acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP28
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pc_Fl_genes Version 1.0
SEQ ID NO 544
LENGTH: 1505
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (72)..(1208)

US-09-620-312D-544

Query Match 1.5%; Score 38; DB 4; Length 1505;
Best Local Similarity 59.1%; Pred. No. 0.89;
Matches 65; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 1692 GCTTCAGAAATTCAGAGTGTCTCCATCAGAAATTATCAGCCAGAGAGAGAGTT 1751
DB 1062 GATTTTGAATTAATTAATGACAGCAATCAATTAATGACCCAGTGAAGGGGCGAGT 1121
QY 1752 AGAGATTGAAGAGCCCGGCTGACCTCATTTAGAGTGTATGAACATTTG 1801
DB 1122 TTTGGTGAAGAGCTCGGGCAGTCCCTATGTTGGTGTATGATCTGG 1171

RESULT 14

US-09-107-532A-2458/C
; Sequence 2458, Application US/09107532A
; Patent No. 6583275

GENERAL INFORMATION:

APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Arinleilo, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 2458:

SEQUENCE CHARACTERISTICS:
LENGTH: 1536 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc feature
LOCATION: (B) LOCATION 1...1536
SEQUENCE DESCRIPTION: SEQ ID NO: 2458:

US-09-107-532A-2458

Query Match 1.5%; Score 37.8; DB 4; Length 1536;
Best Local Similarity 49.3%; Pred. No. 1;
Matches 99; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 1211 AGATTATAAAGATGATGAAGAGCTTTGGAAAAATGCAATGAGCAAAATATTAATCTT 1270

DB 967 ATATGAAGAAAAAAGATTGTGAGTGTGATTAATAAAAAATGTTTTTAATAGCTCAA 908

QY 1271 CCATTTCCTTCCTGCGCCCTTGAGACTGAAACATGAATAAAGAGAAAACAGCAGAG 1330

DB 907 ATGAATCCTTTTATTTATTTATGATACAGCAAAATTTCTACACTTGCCTGATAGATTAG 848

QY 1331 AGATTTCCTTGAAGAGTTTAACTTTGCCAAAGACCATGTAAACACAGTTAACTG 1390

DB 847 TAAATTCCTTCAATTAATTTTGCACCTTGACATCAATGAATGTTAGAAATTAATTC 788

QY 1391 TAAATTCCTTCAATTTTCCAA 1411
DB 787 CTACAGCTGTTAATTAACAA 767

RESULT 15

US-08-072-281-1/C
; Sequence 1, Application US/08072281
; Patent No. 5495071

GENERAL INFORMATION:

APPLICANT: Fischhoff, David A.
APPLICANT: Fuchs, Roy L.
APPLICANT: Lavrik, Paul B.
APPLICANT: McPherson, Sylvia A.
APPLICANT: Berlik, Frederick J.
TITLE OF INVENTION: Insect Resistant Plants
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lawrence M. Lavlin, Jr., Monsanto Co., B4F
STREET: 700 Chesterfield Parkway No. 5495071th
CITY: St. Louis
STATE: Missouri
COUNTRY: United States of America
ZIP: 63198

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/072,281
FILING DATE: 19930604

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/523284
FILING DATE: 14-MAY-1990
ATTORNEY/AGENT INFORMATION:
NAME: Lavlin Jr., Lawrence M.
REGISTRATION NUMBER: 30,768
REFERENCE/DOCKET NUMBER: 38-21(10629)A

TELECOMMUNICATION INFORMATION:

TELEPHONE: (314) 537-7286
TELEFAX: (314) 537-6047
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2615 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 205..2139

US-08-072-281-1

Query Match 1.4%; Score 37; DB 1; Length 2615;
Best Local Similarity 54.9%; Pred. No. 2.3;
Matches 73; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

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DB 2553 ATGCAACCAATCATTTATACGAAATAAAGATCTTGTCTATTACCGCAATCAATGGAC 2494

Qy	1363	AAAGACCATGTAAACACAGTTAACTGTAAATTTGTGATCTTTCACACAGATTGGAG	1422
Db	2493	ATTAATCGATGGAACACAGCTCTGTATCAATATGATGATCTTAAGCGTCTTGAAG	2434
Qy	1423	ATATATTAAGGCTT	1435
Db	2433	CTATGAAACGTTT	2421

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Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	792	30.9	854	12	US-09-814-353-20338 Sequence 20338, A
3	792	30.9	854	14	US-10-198-846-11020 Sequence 11020, A
4	588.6	23.0	820	12	US-09-814-353-20362 Sequence 20362, A
5	425.6	16.6	482	11	US-09-918-995-35525 Sequence 35525, A
6	419	16.4	430	11	US-09-918-995-35432 Sequence 35432, A
7	416.8	16.3	985	12	US-09-814-353-21765 Sequence 21765, A
8	384	15.0	428	12	US-09-814-353-2187 Sequence 2187, Ap
9	384	15.0	428	12	US-09-814-353-8528 Sequence 8528, Ap
10	384	15.0	519	12	US-09-814-353-14912 Sequence 14912, A
11	379.4	14.8	447	14	US-10-198-846-11770 Sequence 11770, Ap
12	346.8	13.5	350	14	US-10-060-036-1467 Sequence 1467, Ap
13	325.4	12.7	588	12	US-09-814-353-16893 Sequence 16893, A
14	316.2	12.3	430	12	US-09-814-353-16914 Sequence 16914, A
15	303.6	11.9	359	12	US-09-814-353-4224 Sequence 4224, Ap
16	303.6	11.9	359	12	US-09-814-353-10530 Sequence 10530, A

17	286.4	11.2	525	12	US-09-814-353-4203 Sequence 4203, Ap
18	286.4	11.2	525	12	US-09-814-353-10509 Sequence 10509, A
19	267.2	10.4	537	12	US-09-814-353-1284 Sequence 1284, Ap
20	267.2	10.4	537	12	US-09-814-353-7648 Sequence 7648, Ap
21	230.4	9.0	629	12	US-09-814-353-18446 Sequence 18446, A
22	230.4	9.0	678	12	US-09-814-353-5779 Sequence 5779, Ap
23	230.4	9.0	678	12	US-09-814-353-12062 Sequence 12062, A
24	226	8.8	238	10	US-09-796-692-7357 Sequence 7357, Ap
25	226	8.8	238	14	US-10-040-862-7357 Sequence 7357, Ap
26	190	7.4	214	9	US-09-604-287A-24 Sequence 24, Appl
27	190	7.4	214	10	US-09-339-338-24 Sequence 24, Appl
28	190	7.4	214	11	US-09-551-621-24 Sequence 24, Appl
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30	190	7.4	214	13	US-10-007-805-24 Sequence 24, Appl
31	190	7.4	214	14	US-10-076-622-24 Sequence 24, Appl
32	180	7.0	180	10	US-09-878-178-1590 Sequence 1590, Ap
33	180	7.0	180	13	US-10-046-935-1590 Sequence 1590, Ap
34	180	7.0	180	14	US-10-146-502-1590 Sequence 1590, Ap
35	170.4	6.7	413	12	US-09-814-353-14961 Sequence 14961, A
36	121.2	4.7	3348	13	US-10-044-090-664 Sequence 664, App
37	70.2	2.7	71	10	US-09-998-598-2276 Sequence 2276, Ap
38	69	2.7	563	14	US-10-060-036-1413 Sequence 1413, Ap
39	54.4	2.1	295	12	US-09-814-353-2237 Sequence 2237, Ap
40	54.4	2.1	295	12	US-09-814-353-8577 Sequence 8577, Ap
41	49.2	1.9	1198	12	US-10-006-285-312 Sequence 312, App
42	44.8	1.7	533	9	US-09-777-564-138 Sequence 138, App
43	44.8	1.7	533	14	US-10-015-219-138 Sequence 138, App
44	44.8	1.7	649	9	US-09-777-564-375 Sequence 375, App
45	44.8	1.7	649	14	US-10-015-219-375 Sequence 375, App

ALIGNMENTS

RESULT 1
US-09-882-529-1
; Sequence 1, Application US/09882529
; Patent No. US20020132317A1
; GENERAL INFORMATION:

; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING SAME
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; PRIOR FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 60/211,565
; PRIOR FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 3016
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (123)..(2579)
US-09-882-529-1

Query Match 93.8%; Score 2402.4; DB 10; Length 3016;
Best Local Similarity 99.8%; Pred No. 0;
Matches 2406; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY	151	TCAGAGACTGGTCTTTGGAGAAACATATAGTTGGCAATTCCTCCAGTAATGTTGGC	210
Db	168	TCAGAGACTGGTCTTTGGAGAAACATATAGTTGGCAATTCCTCCAGTAATGTTGGC	227
QY	211	TTCAAAATTTTAAAAAATATGAGCTGCTGAGCTGCTGAGTAATGTTGGC	270
Db	228	TTCAAAATTTTAAAAAATATGAGCTGCTGAGCTGCTGAGTAATGTTGGC	287
QY	271	TGTATCTCTACCCCTGTGCTCTCTCCAGTTTCAGGAAGGCAACAGCAATCTCTGCAAGTGTTC	330

|||||
288 TGTATCTCTACCTGGTCTCTCCAGTTTCAGGAGGCAACAATACTCTCGAAGTGTC 347
QY
331 AGAAAAATGCTGACTCCTAGGATAGAGTTATCAGTCTGGAAGATGACCTCACACACAT 390
Db
348 AGAAAAATGCTGACTCCTAGGATAGAGTTATCAGTCTGGAAGATGACCTCACACACAT 407
QY
391 GCTGTTGATGCTGTGGTGAATGACGCCAATGAAGATCTTCTGCATGGGGAGGCTTGCC 450
Db
408 GCTGTTGATGCTGTGGTGAATGACGCCAATGAAGATCTTCTGCATGGGGAGGCTTGCC 467
QY
451 CTGGCCCTGGTAAAGCTGGTGGATTTGAAATCCAAAGAGAGACAAACAGTTGTTGCC 510
Db
468 CTGGCCCTGGTAAAGCTGGTGGATTTGAAATCCAAAGAGAGACAAACAGTTGTTGCC 527
QY
511 AGATATGTAAGTGTCAAGCTGGTGAGATAGCTGTACGGGAGCAGGAGGCTTCCCTGC 570
Db
528 AGATATGTAAGTGTCAAGCTGGTGAGATAGCTGTACGGGAGCAGGAGGCTTCCCTGC 587
QY
571 AAACAGATCATCCATGCTTGGGCTCGGTGGATGGATGGGATAAACAGGGATGACT 630
Db
588 AAACAGATCATCCATGCTTGGGCTCGGTGGATGGATGGGATAAACAGGGATGACT 647
QY
631 GGAAAGCTGCAGAGGGCCATTGTAAGTATCTGAATTAATGTCACTATAAAAAATCACTCAC 690
Db
648 GGAAAGCTGCAGAGGGCCATTGTAAGTATCTGAATTAATGTCACTATAAAAAATCACTCAC 707
QY
691 ATTAAGACAGTAGCAATTTCCAGCCTTGAGCTCTGGGATTTTTCAGTTCCTCTGAAATTG 750
Db
708 ATTAAGACAGTAGCAATTTCCAGCCTTGAGCTCTGGGATTTTTCAGTTCCTCTGAAATTG 767
QY
751 TGTACAAAGACTATTTGTAGACTATCCGGTGTAGTTTTCGAAAGGAGGCCAATGATGAGT 810
Db
768 TGTACAAAGACTATTTGTAGACTATCCGGTGTAGTTTTCGAAAGGAGGCCAATGATGAGT 827
QY
811 AATTGGAAGAAATTCACCTGTTGAGCAATGAGGACCTCTACTGTTGCTGCTTAAAGCT 870
Db
828 AATTGGAAGAAATTCACCTGTTGAGCAATGAGGACCTCTACTGTTGCTGCTTAAAGCT 887
QY
871 GCTTCAGAAATTCATCCTAGGGAAGAGTGTGAGCTGGGACAAAGAACCCACCTCTTTCAAT 930
Db
888 GCTTCAGAAATTCATCCTAGGGAAGAGTGTGAGCTGGGACAAAGAACCCACCTCTTTCAAT 947
QY
931 GCAATGGTCTGAACAACTGACCTCCAGATTGTCAGGGGCCACATTTGAATGGCAGACG 990
Db
948 GCAATGGTCTGAACAACTGACCTCCAGATTGTCAGGGGCCACATTTGAATGGCGGACG 1007
QY
991 GCAGATGTAATTTGTTAAATCTGTAACCCACATGATATTACAGTTGGACCTGTGCAAG 1050
Db
1008 GCAGATGTAATTTGTTAAATCTGTAACCCACATGATATTACAGTTGGACCTGTGCAAG 1067
QY
1051 TCAATTTCAACAGCAGGAGTTGAAATGAAATCGGAATTTCTTTGCCACAAAGGCTAAA 1110
Db
1068 TCAATTTCAACAGCAGGAGTTGAAATGAAATCGGAATTTCTTTGCCACAAAGGCTAAA 1127
QY
1111 CAGTTTCAACCGTCCAGTTGGTACTGTGTACAAAGGATTTAACTGTTCTGTAATAATAT 1170
Db
1128 CAGTTTCAACCGTCCAGTTGGTACTGTGTACAAAGGATTTAACTGTTCTGTAATAATAT 1187
QY
1171 ATATACCATGTACTGTGGCATTTCAGAAATTTCTTAACTCCAGATATAAACAATGCAATG 1230
Db
1188 ATATACCATGTACTGTGGCATTTCAGAAATTTCTTAACTCCAGATATAAACAATGCAATG 1247
QY
1231 AAGAGTGTGTTGAAAAATGCAATTTAGCAAAATATAAATTCCTTTCTTCCCTGCTT 1290
Db
1248 AAGAGTGTGTTGAAAAATGCAATTTAGCAAAATATAAATTCCTTTCTTCCCTGCTT 1307
QY
1291 GGGACTGAAACATGGAATTAAGAGGAAACAGCAGCAGAGATTTGTTGATGAAGTT 1350
Db
1308 GGGACTGAAACATGGAATTAAGAGGAAACAGCAGCAGAGATTTGTTGATGAAGTT 1367
QY
1351 TTAACATTTGCCAAGACCATGTAAACACACAGTTAACTGTAAATTTTGTGATCTTTCCA 1410
|||||

Db
1368 TTAACATTTGCCAAGACCATGTAAACACACAGTTAACTGTAAATTTGTGATCTTTCCA 1427
QY
1411 ACAGATTTGGAGATATATAAGGCTTTTCAGTTCTGAAATGGCAAGAGGCTTCAAGATGCTG 1470
Db
1428 ACAGATTTGGAGATATATAAGGCTTTTCAGTTCTGAAATGGCAAGAGGCTTCAAGATGCTG 1487
QY
1471 AGTTTGAACATTTACAGTGTCCCCAGTCAACAGAGAGGAGAAAGAGAAAAATGGGCTT 1530
Db
1488 AGTTTGAACATTTACAGTGTCCCCAGTCAACAGAGAGGAGAAAGAGAAAAATGGGCTT 1547
QY
1531 GAACCTAGATCTCTCGCATCAATCTGATGGATTTCAACGTGGAGAGATGTATGAGGCC 1590
Db
1548 GAACCTAGATCTCTCGCATCAATCTGATGGATTTCAACGTGGAGAGATGTATGAGGCC 1607
QY
1591 CAGCATGGATCCAAAGATCTCTGAGTCTCAGAACCAACACATCATTTGAGAAATAATCAT 1650
Db
1608 CAGCATGGATCCAAAGATCTCTGAGTCTCAGAACCAACCAATCATTTGAGAAATAATCAT 1667
QY
1651 ATTCTGTACCTTGGGAGAAAGGAACATGACATTTTGTCTCAGCTTCAGAAAACTTCAAGT 1710
Db
1668 ATTCTGTACCTTGGGAGAAAGGAACATGACATTTTGTCTCAGCTTCAGAAAACTTCAAGT 1727
QY
1711 GTCTCCATCAGAAAAATTTATCAGCCAGGAAGGACAGAGTTAGAGATTTGAAGGAGCCGG 1770
Db
1728 GTCTCCATCAGAAAAATTTATCAGCCAGGAAGGACAGAGTTAGAGATTTGAAGGAGCCGG 1787
QY
1771 GCTGACCTCATTTGAGTGGTTATGAACATTTGAAGATATGCTTTGTAAGTACAGAGAGAA 1830
Db
1788 GCTGACCTCATTTGAGTGGTTATGAACATTTGAAGATATGCTTTGTAAGTACAGAGAGAA 1847
QY
1831 ATGCCAAGGAAAGGAGGAGGCGCTTTGGCGCTTGGCGCTGCTTAGACAGTGGACTATTTCAAGCA 1890
Db
1848 ATGCCAAGGAAAGGAGGAGGCGCTTTGGCGCTTGGCGCTGCTTAGACAGTGGACTATTTCAAGCA 1907
QY
1891 CAAAAACCCCAAGACGAAATGAAAAATATCATATTTCTGAAATGCTCTGTCCTCCCA 1950
Db
1908 CAAAAACCCCAAGACGAAATGAAAAATATCATATTTCTGAAATGCTCTGTCCTCCCA 1967
QY
1951 ACTCAAGAGCTTTAGATCAAAAGAAAACAGTTTGAAGAAATGTGGTTTTCAGAGTTCTAAAG 2010
Db
1968 ACTCAAGAGCTTTAGATCAAAAGAAAACAGTTTGAAGAAATGTGGTTTTCAGAGTTCTAAAG 2027
QY
2011 GTGAGAGATAGACATGAGTCTTATGCTGCTTTTCAAGAAAGAGAAATGATG 2070
Db
2028 GTGAGAGATAGACATGAGTCTTATGCTGCTTTTCAAGAAAGAGAAATGATG 2087
QY
2071 GAAGAAAACTGCACAGGCAACCTGTGAGCATAGGCTGTTTTCAGCAAGTCCCATACCAG 2130
Db
2088 GAAGAAAACTGCACAGGCAACCTGTGAGCATAGGCTGTTTTCAGCAAGTCCCATACCAG 2147
QY
2131 TTCTGCAATGTGGTATGCAGATTTGGCTTTTCAAGAAATGTACTCGACACCTTGGATGCCA 2190
Db
2148 TTCTGCAATGTGGTATGCAGATTTGGCTTTTCAAGAAATGTACTCGACGCTTGGATGCCA 2207
QY
2191 AAATACGGAGTGCATATACTTCAACCAAGAACCTCAAAACCTGGCAGAGAGGCCAAG 2250
Db
2208 AAATACGGAGTGCATATACTTCAACCAAGAACCTCAAAACCTGGCAGAGAGGCCAAG 2267
QY
2251 AAAATCTCTGTCAGATAAGCTGATCTATGTGTTTTCAGGCTGAAGTACTCACAGGCTTC 2310
Db
2268 AAAATCTCTGTCAGATAAGCTGATCTATGTGTTTTCAGGCTGAAGTACTCACAGGCTTC 2327
QY
2311 TTCTGCCAGGACATCCGTTAAATATTTGTTTCCCCACCTGAGCTGCTGAGCTATAGAT 2370
Db
2328 TTCTGCCAGGACATCCGTTAAATATTTGTTTCCCCACCTGAGCTGCTGAGCTATAGAT 2387
QY
2371 GGTCAATCAGAGTGGTGTGACATGCTCCAGCCCTGAAACCTTTGTTATTTTAGTGGC 2430
Db
2388 GGTCAATCAGAGTGGTGTGACATGCTCCAGCCCTGAAACCTTTGTTATTTTAGTGGC 2447
QY
2431 ATGAGGCTATACCTCAGTATTTGTTGACATGCAACCCAGGAATATGTACAGTCAACAGAT 2490
Db
2448 ATGAGGCTATACCTCAGTATTTGTTGACATGCAACCCAGGAATATGTACAGTCAACAGAT 2507
|||||

Qy	730	TTTCAGTTCCCTCTGAATTTCTGTGACAAAGACTATTTGTAGAGACTATCCCGGTTTGTAGTTG	789
Db	77	-GACGCGTGGGCTCTGAATTTCTGTACAAAGACTATTTGTAGAGACTATCCCGGTTTGTAGTTG	135
Qy	790	CAAGGGAGCCAAATGATCAGTAATTTGAAAGAAATTCACCTGGTGTAGCAATGAGGACCT	849
Db	136	CAAGGGAGCCAAATGATGAGTAATTTGAAAGAAATTCACCTGGTGTAGCAATGAGGACCT	195
Qy	850	ACTGTTGCTGCTTTAAAGCTGCTTCAGAAATTCATCCTAGGGAAGAGTGTAGCTGGGACAA	909
Db	196	ACTGTTGCTGCTTTAAAGCTGCTTCAGAAATTCATCCTAGGGAAGAGTGTAGCTGGGACAA	255
Qy	910	GAACACACCCCTTTCTTCAATGCAATGGTCTGTGAACCAACCTGTACCCCTCCAGATTGTCCAG	965
Db	256	GAACACACCCCTTTCTTCAATGCAATGGTCTGTGAACCAACCTGTACCCCTCCAGATTGTCCAG	315
Qy	970	GGCCACATTGAAATGGCAGACGGCAGATGTAATTTGTTAAATTTCTGTAAACCCACATGATATT	1029
Db	316	GGCCACATTGAAATGGCAGACGGCAGATGTAATTTGTTAAATTTCTGTAAACCCACATGATATT	375
Qy	1030	ACAGTTGGACCTGTGGCAAGCTCAATTCACAAAGCAGAGTTGAAATGAAATCGGAA	1089
Db	376	ACAGTTGGACCTGTGGCAAGCTCAATTCACAAAGCAGAGTTGAAATGAAATCGGAA	435
Qy	1090	TTTCTTGGCCAAAGGCTTAAACAGTTTCAACGGTCCAGTTGGTACTGGTCACAAAAGGA	1149
Db	436	TTTCTTGGCCAAAGGCTTAAACAGTTTCAACGGTCCAGTTGGTACTGGTCACAAAAGGA	495
Qy	1150	TTTAACTTGTCTGTAAATATATATACCATGTACTGTGGCAATTCAGAAATTCCTTAAACCT	1209
Db	496	TTTAACTTGTCTGTAAATATATATACCATGTACTGTGGCAATTCAGAAATTCCTTAAACCT	555
Qy	1210	CAGATATTTAAACATGCAATCAAGGAGTGTTTGCAAAAATGCAATTGAGCAAAAATAAATCT	1269
Db	556	CAGATATTTAAACATGCAATCAAGGAGTGTTTGCAAAAATGCAATTGAGCAAAAATAAATCT	615
Qy	1270	TCCATTTCCCTTCTTCGCCCTTTGGACATGGAACATGAAATATAAGAAAGGAAACAGCAGCA	1329
Db	616	TCCATTTCCCTTCTTCGCCCTTTGGACATGGAACATGGAATATAAGAAAGGAAACAGCAGCA	675
Qy	1330	GAGA-TTTTGTTCATGAAAGTTTAAACATTTGCCAAGACCATGTAAACACCAAGTTTAACT	1388
Db	676	GAGATTTTGTTCATGAAAGTTTAAACATTTGCCAAGACCATGTAAACACCAAGTTTAACT	735
Qy	1389	TGTAATAATTTGTGATCTTTTCCAAACAGATTTGGAGATATATAAGGCTTTTCAGTTCTGAAAT	1448
Db	736	TGTAATAATTTGTGATCTTTTCCAAACAGATTTGGAGATATATAAGGCTTTTCAGTTCTGAAAT	795
Qy	1449	GGCAAGAGGTTCCAAGATGCTGAGTTTGAACAAATTCAGTGTCCCCCAGTCAACCGA	1506
Db	796	GGCAAGAGGTTCCAAGATGCTGAGTTTGAACAAATTCAGTGTCCCCCAGTCAACCGA	853

RESULT 4

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RES001 4
US/09-814-353-20362
; Sequence 20362, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPO
; TITLE OF INVENTION: IDENTIFICATION, A
; TITLE OF INVENTION: THERAPY OF OVARIA
; FILE REFERENCE: MRI-0068
; CURRENT APPLICATION NUMBER: US/09/814,
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,03
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,12
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,94
; PRIOR FILING DATE: 2000-06-15

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, PRIOR APPLICATION NUMBER: US 60/216,820
, PRIOR FILING DATE: 2000-07-07
, PRIOR APPLICATION NUMBER: US 60/220,661
, PRIOR FILING DATE: 2000-07-25
, PRIOR APPLICATION NUMBER: US 60/257,672
, PRIOR FILING DATE: 2000-12-21
, NUMBER OF SEQ ID NOS: 22037
, SOFTWARE: FastSEQ for Windows Version 4.0
, SEQ ID NO 20362
, LENGTH: 820
, TYPE: DNA
, ORGANISM: Homo sapiens
, FEATURE:
, NAME/KEY: misc_feature
, LOCATION: 1, 2, 3, 4, 5, 6, 7, 820
, OTHER INFORMATION: n = A,T,C or G
US-09-814-353-20362

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Query Match	23.0%;	Score 588.6;	DB 12;	Length 820;
Best Local Similarity	97.6%;	Pred. No. 8.9e-162;		
Matches 608;	Conservative 0;	Mismatches 14;	Indels 1;	Gaps 1;
Qy	151	TCAGAGACTGGTGCTCTTTGGAGAAAACATATAGTTGGCAAAATTC	CCCATTAACCAACCAATGAC	210
Db	198	TCAGAGACTGGTGCTCTTTGGAGAAAACATATAGTTGGCAAAATTC	CCCATTAACCAACCAATGAC	257
Qy	211	TTCAAAATTTTAAAAAATAATGAGCGTCACTGTGTGAAGTCTCT	CCAGAAATAAGTTTGGC	270
Db	258	TTCAAAATTTTAAAAAATAATGAGCGTCACTGTGTGAAGTCTCT	CCAGAAATAAGTTTGGC	317
Qy	271	TGTATCTCTACCCCTGGTCTCTCCAGTTTCAGGAAGGCAACAG	CAAAATCTCTGCAAGTGTTC	330
Db	318	TGTATCTCTACCCCTGGTCTCTCCAGTTTCAGGAAGGCAACAG	CAAAATCTCTGCAAGTGTTC	377
Qy	331	AGAAAAATGCTGACTCTCTAGGATAGAGTTATCAGTCTGGAAG	AGATGACTTCAACACACAT	390
Db	378	AGAAAAATGCTGACTCTCTAGGATAGAGTTATCAGTCTGGAAG	AGATGACTTCAACACACAT	437
Qy	391	GCTGTTGATGCTGTGGTGAATGCAGCCAAATGAAGATCTTCT	GCATGGGGAGGCGCTGGCC	450
Db	438	GCTGTTGATGCTGTGGTGAATGCAGCCAAATGAAGATCTTCT	GCATGGGGAGGCGCTGGCC	497
Qy	451	CTGGCCCTGGTAAAAAGCTGTGGATTGAAATCCAAAGAGAGCA	AAACAGTTGTTGGCC	510
Db	498	CTGGCCCTGGTAAAAAGCTGTGGATTGAAATCCAAAGAGAGCA	AAACAGTTGTTGGCC	557
Qy	511	AGATATGGTAAAGTGTCACTGCTGAGATAGCTGTCTACGGGAG	CAGGAGGCTTCCCTGC	570
Db	558	AGATATGGTAAAGTGTCACTGCTGAGATAGCTGTCTACGGGAG	CAGGAGGCTTCCCTGC	617
Qy	571	AAACAGATCATCATGCTGTTTGGGCTTCGGTGGATGGGATTAAC	CAGGAGATGTACT	630
Db	618	AAACAGATCATCATGCTGTTTGGGCTTCGGTGGATGGGATTAAC	CAGGAGATGTACT	677
Qy	631	GGAAAGCTGCAGAGGGCCATTGTAAGTATTCTGAATTTATGCT	CATCTATAAAAAATCTCAC	690
Db	678	TGGGCCGACAG--GGCCCATTTGATGGTATCCGGAAATTATG	TCTATAAAAAATCTCAC	736
Qy	691	ATTAAGACAGTAGCAATTTCCAGCCTTGAGCTCTGGGATTTTT	TCAGTTCCCTCTGAAATTTG	750
Db	737	ATTAAGACAGTAGCAATTTCCAGCCTTGAGCTCTGGGATTTTT	TCAGTTCCCTCTGAAATTTG	796
Qy	751	TGTAACAAGACTATTGTAGAGAC	773	
Db	797	TGTAACAAGACTATTGTAGAGAC	819	

RESULT 5

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RESULTS 3
US-09-918-995-35525
; Sequence 35525, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hvvsed, Inc.

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; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 35525
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(482)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-35525

Query Match      16.6%; Score 425.6; DB 11; Length 482;
Best Local Similarity 99.1%; Pred. No. 4.7e-114;
Matches 428; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1791 TATGACATTGAAGTATCTTTGTAAGTACAGGAGGAATGGCAAGGAAAAGGAGCG 1850
Db 51 TCTGAACATTGAAGATATCTTTGTAAGTACAGGAGGAATGGCAAGGATTAAGGAGCT 110
QY 1851 AGGCTTTGGCGCTCGTTAGGACAGTGGACTATTTCAGCAACAAAACCCCAAGACGAAAT 1910
Db 111 AGGCTTTGGCGCTCGTTAGGACAGTGGACTATTTCAGCAACAAAACCCCAAGACGAAAT 170
QY 1911 GAAAGAAAATATCATATTTCTGAAATGTCTGTGCTCCCACTCAAGAGCTTCTAGATCA 1970
Db 171 GAAAGAAAATATCATATTTCTGAAATGTCTGTGCTCCCACTCAAGAGCTTCTAGATCA 230
QY 1971 AAAGAAACAGTTTGAATAATGTGTTTGCAAGTTTCTAAAGTGGAGAAATGACAATGA 2030
Db 231 AAAGAAACAGTTTGAATAATGTGTTTGCAAGTTTCTAAAGTGGAGAAATGACAATGA 290
QY 2031 GTTCCTTATGGCTGCTTTCAAGAAAGAAAGAAATGATGGAAGAAATACTCACAGGCA 2090
Db 291 GTTCCTTATGGCTGCTTTCAAGAAAGAAAGAAATGATGGAAGAAATACTCACAGGCA 350
QY 2091 ACCTGTGAGCCATGAGCTGTTTTCAGCAAGTCCCATACCACTGCAATGTGATGCGAG 2150
Db 351 ACCTGTGAGCCATGAGCTGTTTTCAGCAAGTCCCATACCACTGCAATGTGATGCGAG 410
QY 2151 AGTTGGCTTTCAAGAAATGTACTCGACACCTTGCAGATCCAAATACGGAGCTGGCATATA 2210
Db 411 AGTTGGCTTTCAAGAAATGTACTCGACACCTTGCAGATCCAAATACGGAGCTGGCATATA 470
QY 2211 CTTCCACCAAGAA 2222
Db 471 CTTCCACCAAGAA 482

RESULT 6
US-09-918-995-36432
; Sequence 36432, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 36432
; LENGTH: 420

; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(420)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-36432

Query Match      16.4%; Score 419; DB 11; Length 420;
Best Local Similarity 100.0%; Pred. No. 3.7e-112;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1978 CAGTTTGAAAAATGTGGTTTCAGGTTCTTAAAGTGGAGAAATAGACAAATCAGGTCCTT 2037
Db 1 CAGTTTGAAAAATGTGGTTTCAGGTTCTTAAAGTGGAGAAATAGACAAATCAGGTCCTT 60
QY 2038 ATGGCTGCTTTCAAGAAAGAAAGAAATGATGGAAGAAAACTGCACAGGCAACTGTG 2097
Db 61 ATGGCTGCTTTCAAGAAAGAAAGAAATGATGGAAGAAAACTGCACAGGCAACTGTG 120
QY 2098 AGCCATAGGCTGTTTTCAGCAAGTCCCATACCACTTCCCAATGTGTATGACAGATTGGC 2157
Db 121 AGCCATAGGCTGTTTTCAGCAAGTCCCATACCACTTCCCAATGTGTATGACAGATTGGC 180
QY 2158 TTTCAAGAAATGTACTCGACACCTTTCGATCCAAATACGGAGCTGGCATATATCTTACC 2217
Db 181 TTTCAAGAAATGTACTCGACACCTTTCGATCCAAATACGGAGCTGGCATATATCTTACC 240
QY 2218 AAGAACCTTCAAAACCTGGCAGAGAGGCGCAAGAAATCTCTGCTGCAGATAGAGTGATC 2277
Db 241 AAGAACCTTCAAAACCTGGCAGAGAGGCGCAAGAAATCTCTGCTGCAGATAGAGTGATC 300
QY 2278 TATGTGTTTGGGCTGAAAGTACTCACAGGCTTCTTCTCCAGGAGACATCCGTTAAATATT 2337
Db 301 TATGTGTTTGGGCTGAAAGTACTCACAGGCTTCTTCTCCAGGAGACATCCGTTAAATATT 360
QY 2338 GTTCCCCCACCACCTGAGTCTGGAGCTATAGATGTCTATGATGTGTGTTGACCAATGT 2396
Db 361 GTTCCCCCACCACCTGAGTCTGGAGCTATAGATGTCTATGATGTGTGTTGACCAATGT 419

RESULT 7
US-09-814-353-21765/c
; Sequence 21765, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21765
; LENGTH: 985
; TYPE: DNA
; ORGANISM: Homo sapiens
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	Matches	384;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	752	GTCAAAAGACTATTGTAGAGACTATCCGGGTAGTTTGC	AAAGCAAGCCAAATGATGAGTA	811						
Db	25	GTCAAAAGACTATTGTAGAGACTATCCGGGTAGTTTGC	AAAGCAAGCCAAATGATGAGTA	84						
Qy	812	ATTTTGAAGAAATTCACCTGGTAGCAATGAGGACCCCTACTGTTGCTGCCTTTAAAGCTG	871							
Db	85	ATTTTGAAGAAATTCACCTGGTAGCAATGAGGACCCCTACTGTTGCTGCCTTTAAAGCTG	144							
Qy	872	CTTCAGAAATTCATCCTTAGGGAAGTAGTGAGTGGGACAAGAAACACACCCCTTTCTTTCAATG	931							
Db	145	CTTCAGAAATTCATCCTTAGGGAAGTAGTGAGTGGGACAAGAAACACACCCCTTTCTTTCAATG	204							
Qy	932	CAATGGTCGTGAACAACTGACCCCTCAGATTGTCTCAGGGCCACATTTGAATGGCAGACGG	991							
Db	205	CAATGGTCGTGAACAACTGACCCCTCAGATTGTCTCAGGGCCACATTTGAATGGCAGACGG	264							
Qy	992	CAGATGTAATTTGTTAAATCTGTAAACCCACATGATATTACAGTTGGACCTGTGGCAAAGT	1051							
Db	265	CAGATGTAATTTGTTAAATCTGTAAACCCACATGATATTACAGTTGGACCTGTGGCAAAGT	324							
Qy	1052	CAATTTCTACAACAGCAGGAGTTGAAATGAAATCGGAATTTCTTGGCCACAAGGCTTAAC	1111							
Db	325	CAATTTCTACAACAGCAGGAGTTGAAATGAAATCGGAATTTCTTGGCCACAAGGCTTAAC	384							
Qy	1112	AGTTTCAACGGTCCCAGTTGGTAC	1135							
Db	385	AGTTTCAACGGTCCCAGTTGGTAC	408							

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RESULT 10
US-09-814-353-14912
; Sequence 14912, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14912
; LENGTH: 519
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-814-353-14912

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RESULT 11	
US-10-198	: Sequence
:	: Publicat
:	: GENERAL
:	: APPLIC.
:	: APPLIC.
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:	: FILE R
:	: CURRENT
:	: CURRENT
:	: PRIOR
:	: PRIOR
:	: NUMBER
:	: SOFTWARE
:	: SEQ ID I
:	: LENGTH
:	: TYPE:
:	: ORGAN
:	: FEATUR
:	: NAME/
:	: LOCAT
:	: OTHER
US-10-198	

	Query Match	14.8%;	Score 379.4;	DB 14;	Length 447;
	Best Local Similarity	99.7%;	Pred. No. 1.7e-100;		
	Matches 380;	Conservative	0;	Mismatches 1;	Indels 0; Gaps 0;
Qy	752	GTCAAAAGACTATTGTAGAGACTATCCGGGTAGTTTGTCAAGGAGGCCCAATGATGAGTA	811		
Db	67	GTCAAAAGACTATTGTAGAGACTATCCGGGTAGTTTGTCAAGGAGGCCCAATGATGAGTA	126		
Qy	812	ATTGTAAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTGTGCTGCTTTAAAGCTG	871		
Db	127	ATTGTAAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTGTGCTGCTTTAAAGCTG	186		
Qy	872	CTTCAGAAATTCATCTAGGGAAGAGTGAGCTGGGACAAAGAAACACCCCTTCCTTTCAATG	931		
Db	187	CTTCAGAAATTCATCTAGGGAAGAGTGAGCTGGGACAAAGAAACACCCCTTCCTTTCAATG	246		
Qy	932	CAATGTGCTGAACAACCTGACCTCCAGATTGTTCAGGGCCCAATTGAATGGCAGACGG	991		
Db	247	CAATGTGCTGAACAACCTGACCTCCAGATTGTTCAGGGCCCAATTGAATGGCAGACGG	306		


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; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16914
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-814-353-16914

Query Match      12.3%; Score 316.2; DB 12; Length 430;
Best Local Similarity 98.5%; Pred. No. 6e-82;
Matches 330; Conservative 0; Mismatches 3; Indels 2; Gaps 1;

QY 752 GTACAAAGACTATTGTAGAGACTATCCGGGTTAGTTTGCAGGGAAGCCCAATGATGAGTA 811
Db 98 GTACAAAGACTATTGTAGAGACTATCCGGGTTAGTTTGCAGGGAAGCCCAATGATGAGTA 157

QY 812 ATTTGAAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTTGCTGCTTTAAAGCTG 871
Db 158 --TTGAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTTGCTGCTTTAAAGCTG 215

QY 872 CTTCAAGATTCACTTAGGGAAGAGTGAGCTGGGCAAGAAACACCCCTTCTTTCAATG 931
Db 216 CTTCAAGATTCACTTAGGGAAGAGTGAGCTGGGCAAGAAACACCCCTTCTTTCAATG 275

QY 932 CAATGTCGTGAACAACCTGACCTCCAGATTGTCAGGGCCACATTTGAATGCGACGCG 991
Db 276 CAATGTCGTGAACAACCTGACCTCCAGATTGTCAGGGCCACATTTGAATGCGACGCG 335

QY 992 CAGATGTAATTGTTAATTTCTGTAACCCACATGATATTACAGTTGGACCTGTGGCAAACT 1051
Db 336 CAGATGTAATTGTTAATTTCTGTAACCCACATGATATTACAGTTGGACCTGTGGCAAACT 395

QY 1052 CAATTTACAACAAGCAGGAGTTGAAATGAAATCG 1086
Db 396 CAATTTACAACAAGCAGGAGTTGAAATGAAATCG 430
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RESULT 15
US-09-814-353-4224
; Sequence 4224, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
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; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4224
; LENGTH: 359
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-814-353-4224

Query Match      11.9%; Score 303.6; DB 12; Length 359;
Best Local Similarity 98.2%; Pred. No. 2.6e-78;
Matches 328; Conservative 0; Mismatches 4; Indels 2; Gaps 2;

QY 752 GTACAAAGACTATTGTAGAGACTATCCGGGTTAGTTTGCAGGGAAGCCCAATGATGAGTA 811
Db 26 GTACAAAGACTATTGTAGAGACTATCCGGGTTAGTTTGCAGGGAAGCCCAATGATGAGTA 85

QY 812 ATTTGAAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTTGCTGCTTTAAAGCTG 871
Db 86 ATTTGAAAGAAATTCACCTGGTGAGCAATGAGGACCCCTACTGTTGCTGCTTTAAAGCTG 145

QY 872 CTTCAAGATTCACTTAGGGAAGAGTGAGCTGGGCAAGAAACACCCCTTCTTTCAATG 931
Db 146 CTTCAAGATTCACTTAGGGAAGAGTGAGCTGGGCAAGAAACACCCCTTCTTTCAATG 205

QY 932 CAATGTCGTGAACAACCTGACCTCCAGATTGTCAGGGCCACATTTGAATGCGACGCG 991
Db 206 CAATGTCGTGAACAACCTGACCTCCAGATTGTCAGGGCCACATTTGAATGCGACGCG 265

QY 992 CAGATGTAATTGTTAATTTCTGTAACCCACATGATATTACA-GTTGGACCTGTGGC-AAA 1049
Db 266 CAGATGTAATTGTTAATTTCTGTAACCCACATGATATTACAAGTTTGGACCTGTGGCAAAA 325

QY 1050 GTCAATTTCTACAACAAGCAGGAGTTGAAATGAAA 1083
Db 326 GTCAATTTCTACAACAAGCAGGAGTTGAAATGAAA 359
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Search completed: October 27, 2003, 15:39:50
Job time : 867 secs

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